

Wake Forest University  
College Senior Survey(CSS)  
Results 2018

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# Construct Comparison

WFU '18 by Gender  
by Race  
by Loan Amount

## Construct Descriptions & Survey Items

**Academic Disengagement** measures the extent to which students engage in behaviors that are inconsistent with academic success.

Survey items and estimation "weights": *Since entering college, indicate how often you:*

- \* *Came late to class (2.81)*
- \* *Missed class for other reasons (2.02)*
- \* *Failed to complete homework on time (2.65)*
- \* *Fell asleep in class (1.15)*

**Academic Self-Concept** is a unified measure of students' beliefs about their abilities and confidence in academic environments.

Survey items and estimation "weights": *Rate yourself on each of the following traits as compared with the average person your age:*

- \* *Academic ability (3.14)*
- \* *Self-confidence (intellectual) (2.82)*
- \* *Drive to achieve (2.28)*
- \* *Mathematical ability (1.24)*

**Civic Awareness** measures changes in students' understanding of the issues facing their community, nation, and the world.

Survey items and estimation "weights": *Think about your current abilities and tell us how strong or weak you believe you are in each of the following areas:*

- \* *Understanding of national issues (7.16)*
- \* *Understanding of global issues (6.93)*
- \* *Understanding of the problems facing my community (4.50)*

**Civic Engagement** measures the extent to which students are motivated and involved in civic, electoral, and political activities.

Survey items and estimation "weights":

- \* *I am interested in seeking information about current social and political issues (3.36)*
- \* *Publicly communicated your opinion about a cause (e.g., blog, email, petition) (2.56)*
- \* *Worked on a local, state, or national political campaign (0.99)*
- \* *Demonstrated for a cause (e.g., boycott, rally, protest) (2.56)*
- \* *Goal: Keeping up to date with political affairs (3.97)*
- \* *Goal: Influencing social values (2.56)*
- \* *Helped raise money for a cause or campaign (1.09)*
- \* *Performed volunteer or community service work (0.58)*

**Faculty Interaction: Mentorship** measures the extent to which students and faculty have mentoring relationships that foster support and guidance with respect to both academic and personal domains.

Survey items and estimation "weights":

- \* *Encouragement to pursue graduate/professional study (4.11)*
- \* *An opportunity to work on a research project (2.70)*
- \* *Advice and guidance about your educational program (5.45)*
- \* *Emotional support and encouragement (4.90)*
- \* *A letter of recommendation (3.61)*
- \* *Help to improve your study skills (4.58)*
- \* *Feedback about your academic work (outside of grades) (5.40)*
- \* *Encouragement to discuss coursework outside of class (5.28)*
- \* *Help in achieving your professional goals (5.91)*

**Habits of Mind** is a unified measure of the behaviors and traits associated with academic success. These learning behaviors are seen as the foundation for lifelong learning.

Survey items and estimation "weights": *How often in the past year did you:*

- \* *Ask questions in class (2.46)*
- \* *Support your opinions with a logical argument (3.57)*
- \* *Seek solutions to problems and explain them to others (3.92)*
- \* *Revise your papers to improve your writing (2.39)*
- \* *Evaluate the quality or reliability of information you received (3.12)*
- \* *Take a risk because you felt you had more to gain (2.91)*
- \* *Seek alternative solutions to a problem (3.81)*
- \* *Look up scientific research articles and resources (1.97)*
- \* *Explore topics on your own, even though it was not required for a class (2.81)*
- \* *Accept mistakes as part of the learning process (2.51)*
- \* *Seek feedback on your academic work (3.29)*
- \* *Integrate skills and knowledge from different sources and experiences (3.74)*

**Leadership** is a unified measure of students' beliefs about their leadership development, leadership capability, and their experiences as a leader.

Survey items and estimation "weights":

- \* *I have effectively led a group to a common purpose (1.33)*
- \* *Been a leader in an organization (1.09)*
- \* *Held a leadership position in an organization (0.97)*

**Negative Cross-Racial Interaction** is a unified measure of students' level of negative interaction with diverse peers.

Survey items and estimation "weights": *To what extent have you experienced the following with students from a racial/ethnic group other than your own?*

- \* *Had tense, somewhat hostile interactions (5.47)*

- \* *Felt insulted or threatened because of your race/ethnicity (7.12)*
- \* *Had guarded, cautious interactions (4.46)*
- \* *Felt ignored or invisible because of my race/ethnicity (6.84)*

**Overall Satisfaction** is a unified measure of students' satisfaction with the college experience.

Survey items and estimation "weights":

- \* *Satisfaction with overall college experience (4.76)*
- \* *If you could make your college choice over, would you still choose to enroll at your current college? (3.31)*
- \* *Satisfaction with overall quality of instruction (3.07)*

**Pluralistic Orientation** measures skills and dispositions appropriate for living and working in a diverse society.

Survey items and estimation "weights": *Rate yourself on each of the following traits as compared with the average person your age:*

- \* *Tolerance of others with different beliefs (4.17)*
- \* *Ability to work cooperatively with diverse people (3.86)*
- \* *Openness to having my own views challenged (4.09)*
- \* *Ability to see the world from someone else's perspective (3.79)*
- \* *Ability to discuss and negotiate controversial issues (3.93)*
- \* *Critical thinking skills (3.44)*
- \* *Ability to manage your time effectively (1.17)*

**Positive Cross-Racial Interaction** is a unified measure of students' level of positive interaction with diverse peers.

Survey items and estimation "weights": *To what extent have you experienced the following with students from a racial/ethnic group other than your own?*

- \* *Had intellectual discussions outside of class (6.26)*
- \* *Shared personal feelings and problems (5.96)*
- \* *Dined or shared a meal (5.41)*
- \* *Pursued (by), date, or otherwise intimately involved (2.74)*
- \* *Had meaningful and honest discussions about race/ethnic relations outside of class (5.41)*
- \* *Studied or prepared for class (4.65)*
- \* *Socialized or partied (4.51)*

**Satisfaction with Coursework** measures the extent to which students see their coursework as relevant, useful and applicable to their academic success and future plans.

Survey items and estimation "weights": *Please rate your satisfaction with your college in each area::*

- \* *Courses in your major field (3.42)*
- \* *Class size (3.09)*
- \* *Relevance of coursework to career plans (3.81)*
- \* *General education or core curriculum courses (1.83)*

**Science Identity** measures the extent to which students conceive of themselves as scientists.

*Survey items and estimation "weights":*

- \* *I have a strong sense of belonging to a community of scientists (7.33)*
- \* *I derive great personal satisfaction from working on a team that is doing important research (4.16)*
- \* *I think of myself as a scientist (8.18)*
- \* *I feel like I belong in the field of science (7.95)*

**Science Self-Efficacy** is a measure of students' confidence in their ability to conduct scientific research.

*Survey items and estimation "weights":*

- \* *Use technical science skills (use of tools, instruments, and/or techniques) (5.48)*
- \* *Generate an answerable research question(7.42)*
- \* *Determine how to collect appropriate data (8.08)*
- \* *Explain the results of a study (8.03)*
- \* *Use scientific literature to guide research (7.72)*
- \* *Integrate results from multiple studies (8.00)*
- \* *Ask relevant questions (7.14)*
- \* *Identify what is known and not known about a problem (7.44)*
- \* *Understand scientific concepts (7.79)*
- \* *See connections between different areas of science and mathematics (7.01)*

**Sense of Belonging** measures the extent to which students feel a sense of academic and social integration on campus.

*Survey items and estimation "weights": Please indicate the extent to which you agree or disagree with the following statements:*

- \* *I feel I am a member of this college (6.77)*
- \* *I feel a sense of belonging to this campus (6.57)*
- \* *If asked, I would recommend this college to others (5.18)*

**Social Agency** measures the extent to which students value political and social involvement as a personal goal.

*Survey items and estimation "weights": Indicate the importance to you personally of each of the following:*

- \* *Participating in a community action program (4.78)*
- \* *Helping to promote racial understanding (4.88)*
- \* *Becoming a community leader (4.38)*
- \* *Keeping up to date with political affairs (3.68)*
- \* *Influencing social values (4.05)*
- \* *Helping others who are in difficulty (2.75)*


**Social Self-Concept** is a unified measure of students' beliefs about their abilities and confidence in social situations.

Survey items and estimation "weights": *Rate yourself on each of the following traits as compared with the average person your age:*

- \* *Leadership ability (3.51)*
- \* *Public speaking ability (3.10)*
- \* *Self-confidence (social) (2.77)*



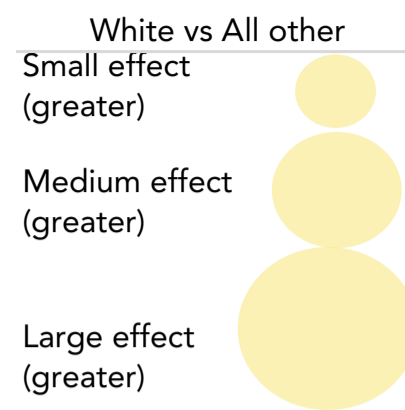
		Men	Women
Leadership	Total (n)	83.8	110.4
	Mean	54.7	52.9
	Std Dev	11.4	8.2
Academic Self-Concept	Total (n)	83.8	110.4
	Mean	53.5	51.4
	Std Dev	13.4	7.6
Civic Awareness	Total (n)	92.6	118.3
	Mean	52.6	50.9
	Std Dev	12.9	9.0
Civic Engagement	Total (n)	83.7	112.3
	Mean	52.3	51.1
	Std Dev	10.6	10.3
Social Self-Concept	Total (n)	83.8	110.2
	Mean	52.1	49.9
	Std Dev	12.1	7.9
Pluralistic Orientation	Total (n)	92.6	119.7
	Mean	52.1	50.3
	Std Dev	10.3	7.1
Positive Cross-Racial Interaction	Total (n)	85.3	110.9
	Mean	51.8	52.8
	Std Dev	10.6	9.6
Overall Satisfaction	Total (n)	83.8	110.0
	Mean	51.6	50.4
	Std Dev	15.9	9.6
Habits of Mind	Total (n)	91.2	119.7
	Mean	51.3	53.1
	Std Dev	13.6	8.6
Satisfaction with Coursework	Total (n)	90.9	116.7
	Mean	50.7	52.7
	Std Dev	13.8	8.7
Academic Disengagement	Total (n)	92.6	120.5
	Mean	50.6	48.6
	Std Dev	9.5	8.4
Negative Cross-Racial Interaction	Total (n)	87.0	110.9
	Mean	50.5	49.8
	Std Dev	10.1	8.9
Sense of Belonging	Total (n)	88.9	114.9
	Mean	50.0	51.5
	Std Dev	16.1	10.1
Social Agency	Total (n)	83.7	109.8
	Mean	50.0	50.8
	Std Dev	10.9	10.1
Science Self-Efficacy	Total (n)	82.2	107.5
	Mean	49.8	52.5
	Std Dev	11.2	8.3
Science Identity	Total (n)	82.2	109.8
	Mean	48.3	49.6
	Std Dev	11.8	10.4
Faculty Interaction: Mentorship	Total (n)	85.3	109.2
	Mean	47.0	51.9
	Std Dev	12.3	9.9
Conservative Margin of Error (Smallest N and largest Std. Dev.)		+/- 3.48	+/- 1.97

Men vs Women  
Small effect  
(greater) 

\* Post-stratified weights were used to account for underrepresented groups in the population.




\* If a subgroup did not respond at all, its proportion in the population was not used for post-stratification.

		White	URM
Leadership	Total (n)	144.3	49.9
	Mean	54.4	51.7
	Std Dev	9.6	9.8
Habits of Mind	Total (n)	153.4	57.5
	Mean	52.7	51.4
	Std Dev	11.2	10.6
Academic Self-Concept	Total (n)	144.3	49.9
	Mean	52.6	51.5
	Std Dev	10.9	9.0
Civic Awareness	Total (n)	153.4	57.5
	Mean	52.1	50.2
	Std Dev	10.3	12.1
Overall Satisfaction	Total (n)	142.8	51.0
	Mean	51.9	48.2
	Std Dev	12.3	13.3
Satisfaction with Coursework	Total (n)	152.7	54.9
	Mean	51.9	51.6
	Std Dev	10.6	13.1
Civic Engagement	Total (n)	143.4	52.7
	Mean	51.8	51.2
	Std Dev	9.7	12.1
Positive Cross-Racial Interaction	Total (n)	143.6	52.7
	Mean	51.7	54.3
	Std Dev	9.3	11.5
Science Self-Efficacy	Total (n)	139.7	49.9
	Mean	51.5	50.9
	Std Dev	9.5	10.4
Sense of Belonging	Total (n)	150.3	53.6
	Mean	51.4	49.3
	Std Dev	13.0	13.1
Social Self-Concept	Total (n)	144.3	49.7
	Mean	51.4	49.4
	Std Dev	10.1	9.3
Pluralistic Orientation	Total (n)	153.4	59.0
	Mean	51.1	50.9
	Std Dev	8.4	9.5
Social Agency	Total (n)	141.9	51.6
	Mean	50.2	51.2
	Std Dev	9.4	13.0
Academic Disengagement	Total (n)	154.1	59.0
	Mean	49.5	49.3
	Std Dev	8.9	9.2
Faculty Interaction: Mentorship	Total (n)	142.1	52.5
	Mean	49.2	51.2
	Std Dev	11.5	10.9
Science Identity	Total (n)	141.2	50.8
	Mean	48.9	49.4
	Std Dev	10.8	11.7
Negative Cross-Racial Interaction	Total (n)	145.2	52.7
	Mean	48.2	<b>55.5</b>
	Std Dev	7.0	11.8
Conservative Margin of Error (Smallest N and largest Std. Dev.)		+/- 2.16	+/- 3.7



\* Post-stratified weights were used to account for underrepresented groups in the population.

\* If a subgroup did not respond at all, its proportion in the population was not used for post-stratification.

		Borrowed money		Borrowed money No vs Yes	
		No	Yes		
Leadership	Total (n)	37.7	48.7	Small effect (greater)	
	Mean	55.9	53.1		
	Std Dev	9.6	7.7		
Academic Self-Concept	Total (n)	37.7	48.7	Medium effect (greater)	
	Mean	54.4	50.1		
	Std Dev	9.9	12.1		
Science Self-Efficacy	Total (n)	35.0	48.7	Large effect (greater)	
	Mean	52.7	51.6		
	Std Dev	10.5	9.4		
Habits of Mind	Total (n)	35.4	45.5		
	Mean	52.6	52.8		
	Std Dev	12.6	10.1		
Civic Awareness	Total (n)	39.2	48.5		
	Mean	52.1	51.9		
	Std Dev	11.0	6.6		
Civic Engagement	Total (n)	36.8	48.7		
	Mean	52.0	52.0		
	Std Dev	9.6	11.0		
Satisfaction with Coursework	Total (n)	39.2	48.4		
	Mean	51.8	52.0		
	Std Dev	9.1	12.7		
Social Self-Concept	Total (n)	37.7	48.7		
	Mean	51.0	51.1		
	Std Dev	11.4	5.8		
Negative Cross-Racial Interaction	Total (n)	39.2	48.0		
	Mean	50.7	51.0		
	Std Dev	10.9	9.7		
Sense of Belonging	Total (n)	39.2	48.4		
	Mean	50.7	51.3		
	Std Dev	13.2	11.1		
Social Agency	Total (n)	36.8	48.7		
	Mean	50.6	51.0		
	Std Dev	9.9	11.0		
Pluralistic Orientation	Total (n)	38.5	48.7		
	Mean	50.5	50.1		
	Std Dev	8.4	9.7		
Faculty Interaction: Mentorship	Total (n)	37.5	48.7		
	Mean	50.2	50.0		
	Std Dev	13.0	10.5		
Overall Satisfaction	Total (n)	37.7	48.0		
	Mean	50.2	51.1		
	Std Dev	13.2	11.1		
Positive Cross-Racial Interaction	Total (n)	36.8	48.7		
	Mean	49.6	53.3		
	Std Dev	11.0	9.0		
Science Identity	Total (n)	36.1	48.7		
	Mean	49.1	49.4		
	Std Dev	11.7	10.4		
Academic Disengagement	Total (n)	37.5	48.7		
	Mean	47.4	50.4		
	Std Dev	9.5	8.8		
Conservative Margin of Error (Smallest N and largest Std. Dev.)		+/- 4.37	+/- 3.69		

\* Post-stratified weights were used to account for underrepresented groups in the population.

\* If a subgroup did not respond at all, its proportion in the population was not used for post-stratification.

# Significant Differences Across Specific Responses WFU '18 Men vs Women

Assuming the minimum number of WFU 2018 male respondents to any one particular survey item ( $n=84$ ) along with the portion which will yield the largest margin of error (i.e. 50%), the conservative margin of error for WFU 2018 male respondents is 10.7%.

Similarly, assuming the minimum number of WFU 2018 female respondents to any one particular survey item ( $n=109$ ), along with the portion which will yield the largest margin of error (i.e. 50%), the conservative margin of error for WFU 2018 female respondents is 9.4%.

However, items identified here relied upon each item's actual number of responses and proportions when testing whether the differences in proportions between the groups, at the 95% confidence interval, included 0.0, (i.e. there was likely no difference).

In the analysis, post-stratified weights were used to correct for bias due to nonresponse and underrepresented groups in the population.

## 2018 WFU College Senior Survey(CSS) Responses Differing Significantly by Gender

Question	Men	N	Women	N
<b>Act in College</b>				
Found a faculty or staff mentor		93		120
Yes	61.0%		77.1%	
No	39.0%		22.9%	
Joined a pre-professional or departmental club		93		120
Yes	54.9%		41.0%	
No	45.1%		59.0%	
Joined a social fraternity or sorority		93		120
Yes	39.8%		59.1%	
No	60.2%		40.9%	
Participated in: Study abroad		93		120
Yes	60.0%		76.7%	
No	40.0%		23.3%	
Played club, intramural, or recreational sports		93		120
Yes	87.5%		50.5%	
No	12.5%		49.5%	
Taken a women's studies course		94		120
Yes	19.4%		37.2%	
No	80.6%		62.8%	
Withdrew from school temporarily		94		120
Yes	10.7%		3.0%	
No	89.3%		97.0%	
<b>Act in Past Year</b>				
Consumed beer		91		116
Frequently	50.3%		29.7%	
Not at all	8.2%		21.7%	
Discussed politics		91		118
Not at all	4.3%		17.0%	
Felt anxious		91		118
Frequently	31.9%		51.4%	
Felt overwhelmed by all I had to do		91		118
Frequently	38.8%		57.2%	
Performed volunteer or community service work		91		118
Frequently	25.2%		39.8%	
Not at all	22.2%		11.2%	
<b>Act</b>				
Accessed your campus' library resources electronically		94		119
Frequently	57.1%		71.2%	
Challenged a professor's ideas in class		94		119
Not at all	33.2%		46.5%	
Communicated regularly with your professors		93		119
Frequently	39.7%		55.8%	
Not at all	9.1%		2.2%	
Fell asleep in class		94		120
Not at all	63.6%		77.6%	
Missed class due to employment		94		120
Not at all	66.6%		80.7%	
Missed class for other reasons		94		120
Frequently	2.1%		7.9%	
Performed community service as part of a class		94		120
Frequently	2.4%		9.6%	
Posted on a course-related on-line discussion board		94		120
Frequently	3.8%		19.6%	
Not at all	34.8%		21.9%	

Question	Men	N	Women	N
<b>Campus Satisfaction</b>				
Amount of contact with faculty		91		118
Very Satisfied	53.5%		69.8%	
<b>Career Concern</b>				
Ability to pay off debt		84		110
Essential	12.7%		32.4%	
Not Important	43.9%		20.1%	
Social recognition or status		84		109
Essential	15.9%		6.0%	
Stable, secure future		84		110
Essential	36.3%		50.5%	
<b>Contribution</b>				
Foreign language ability		91		120
Strongly Agree	23.6%		38.6%	
Understanding of national issues		93		120
Strongly Agree	41.5%		25.4%	
<b>Determine how to collect appropriate data</b>		84		109
Absolutely	17.2%		33.0%	
<b>Diversity Rating</b>				
Ability to discuss and negotiate controversial issues		93		120
A Major Strength	39.3%		26.1%	
Critical thinking skills		93		120
A Major Strength	70.8%		56.2%	
Openness to having my own views challenged		93		120
A Major Strength	35.3%		20.5%	
<b>Ethnic Experience</b>				
Pursued(by), date, or otherwise intimately involved		87		112
Very Often	4.1%		14.4%	
Shared personal feelings and problems		87		112
Very Often	15.4%		28.1%	
Studied or prepared for class		87		112
Very Often	20.8%		33.1%	
<b>Faculty Provide</b>				
A letter of recommendation		87		112
Frequently	24.0%		51.4%	
Not at all	28.5%		11.0%	
Advice and guidance about your educational program		87		112
Frequently	33.0%		48.3%	
An opportunity to work on a research project		85		111
Frequently	19.3%		32.0%	
Emotional support and encouragement		87		112
Frequently	24.7%		45.3%	
Not at all	27.3%		12.1%	
Encouragement to discuss coursework outside of class		87		112
Frequently	44.5%		61.3%	
Encouragement to pursue graduate/professional study		87		112
Frequently	33.3%		55.8%	

Question	Men	N	Women	N
<b>Help in achieving your professional goals</b> Frequently	21.7%	87	53.5%	111
<b>Help to improve your study skills</b> Frequently	26.5%	87	39.8%	112
<b>Goal</b>				
<b>Becoming an authority in my field</b> Essential	34.3%	87	19.0%	114
<b>Becoming successful in a business of my own</b> Not Important	29.8%	85	45.2%	114
<b>Helping to promote racial understanding</b> Essential	10.0%	85	21.4%	114
<b>Improving my understanding of other countries and cultures</b> Essential	27.4%	85	46.0%	113
<b>Influencing the political structure</b> Not Important	19.1%	87	49.1%	113
<b>Participating in a community action program</b> Essential	4.2%	85	19.2%	113
<b>Raising a family</b> Essential	31.7%	85	48.9%	114
<b>Habits of Mind</b>				
<b>Look up scientific research articles and resources</b> Frequently	47.6%	96	72.0%	126
<b>Revise your papers to improve your writing</b> Frequently	45.7%	95	69.4%	127
<b>Seek feedback on your academic work</b> Frequently	60.1%	96	73.8%	127
<b>Hours per Week</b>				
<b>Partying</b> None	5.5%	91	14.5%	120
<b>Working (for pay) off campus</b> Over 20	7.3%	91	1.2%	117
<b>How many months since entering college (including summer) did you work on a professor's research project?</b>				
0 months	68.8%	96	54.8%	120
<b>How would you characterize your political views?</b>				
Conservative	31.5%	96	16.2%	120
<b>I feel like I belong in the field of science</b>				
Agree Strongly	8.4%	84	20.4%	110
<b>I have a strong sense of belonging to a community of scientists</b>				
Agree Strongly	3.7%	84	13.5%	111
<b>Inst Opinion</b>				
<b>At least one staff member has taken an interest in my development</b> Strongly Agree	44.5%	90	64.0%	116
<b>I feel valued at this institution</b> Strongly Disagree	9.3%	89	2.2%	116
<b>If asked, I would recommend this college to others</b> Strongly Disagree	9.2%	90	2.3%	116

Question	Men	N	Women	N
In class, I have heard faculty express stereotypes based on social identity (such as race/ethnicity, gender, sexual orientation, disability status, or religion)		90		116
Strongly Disagree	35.5%		21.0%	
<b>Integrate results from multiple studies</b>		84		111
Absolutely	16.5%		35.0%	
Not at all	10.0%		1.3%	
<b>Overall GPA</b>		90		118
A or A+	12.9%		23.3%	
<b>Primary Major GPA</b>		90		116
A or A+	14.8%		34.7%	
<b>Primary plans</b>				
Work full-time		84		110
Yes	78.0%		65.0%	
No	22.0%		35.0%	
<b>Satisfaction</b>				
General education or core curriculum courses		91		117
Very Dissatisfied	5.8%		0.2%	
<b>Self Rating</b>				
Leadership ability		84		110
Highest 10%	36.4%		19.2%	
Mathematical ability		84		110
Highest 10%	21.1%		3.6%	
Self-confidence (intellectual)		84		110
Highest 10%	27.0%		14.7%	
Writing ability		84		110
Highest 10%	34.6%		21.6%	
<b>Use scientific literature to guide research</b>		84		110
Absolutely	14.2%		28.2%	
<b>View</b>				
Sexual activity that occurs without presence of explicit, affirmative consent (i.e., "yes means yes") is considered sexual assault		85		110
Strongly Agree	46.5%		66.3%	
Students from disadvantaged social backgrounds should be given preferential treatment in college admissions		85		110
Strongly Agree	3.9%		11.4%	
Through hard work everybody can succeed in American society		85		110
Strongly Agree	26.6%		9.4%	
Strongly Disagree	5.8%		21.9%	
Undocumented immigrants should be denied access to public education		85		110
Strongly Disagree	24.8%		62.3%	



# Significant Differences Across Specific Responses WFU '18 White vs Under-Represented Minority Students(URM)

Assuming the minimum number of WFU 2018 white respondents to any one particular survey item ( $n=138$ ) along with the portion which will yield the largest margin of error (i.e. 50%), the conservative margin of error for WFU 2018 white respondents is 8.3%.

Similarly, assuming the minimum number of WFU 2018 non-white respondents to any one particular survey item ( $n=49$ ), along with the portion which will yield the largest margin of error (i.e. 50%), the conservative margin of error for WFU 2018 non-white respondents is 14.0%.

However, items identified here relied upon each item's actual number of responses and proportions when testing whether the differences in proportions between the groups, at the 95% confidence interval, included 0.0, (i.e. there was likely no difference).

In the analysis, post-stratified weights were used to correct for bias due to nonresponse and underrepresented groups in the population.

## 2018 WFU College Senior Survey(CSS) Responses Differing Significantly by Race

Question	White	N	URM	N
<b>Act in College</b>				
Failed one or more courses		156		59
Yes	9.0%		21.5%	
No	91.0%		78.5%	
Had a roommate of a different race/ethnicity		153		59
Yes	56.0%		87.9%	
No	44.0%		12.1%	
Participated in a campus program that promotes STEM careers (e.g. BUILD, MARC, HHMI, S-STEM)		155		59
Yes	14.1%		28.4%	
No	85.9%		71.6%	
Participated in: An ethnic/racial student organization		154		59
Yes	6.4%		66.4%	
No	93.6%		33.6%	
Voted in a national, state, or local election		153		57
Yes	87.0%		54.3%	
No	13.0%		45.7%	
<b>Act in Past Year</b>				
Consumed beer		153		55
Frequently	46.9%		16.0%	
Consumed wine or liquor		153		56
Frequently	56.3%		24.7%	
Discussed politics		153		56
Frequently	45.6%		26.5%	
Felt that my contributions were valued in class		153		56
Frequently	53.5%		37.0%	
Not at all	2.0%		11.3%	
<b>Act</b>				
Came late to class		154		59
Not at all	44.0%		28.8%	
Challenged a professor's ideas in class		154		59
Not at all	36.1%		52.4%	
Communicated regularly with your professors		154		57
Frequently	53.2%		36.8%	
Fell asleep in class		156		59
Not at all	75.4%		61.0%	
Performed community service as part of a class		156		59
Not at all	53.5%		38.7%	
Publicly communicated your opinion about a cause (e.g., blog, email, petition)		154		59
Not at all	43.4%		28.5%	
Tutored another college student		156		59
Not at all	58.6%		36.3%	
<b>Aggregated Major1</b>		149		55
Social Science	26.8%		14.5%	
<b>Aid</b>				
Aid which must be repaid (loans, etc.)		138		51
None	71.9%		56.2%	
Aid which need not be repaid (grants, scholarships, military, etc.)		139		52
\$15,000 or more	28.7%		51.5%	
None	55.3%		30.5%	
Family resources (parents, relatives, spouse, etc.)		141		52
None	8.7%		0.8%	

Question	White	N	URM	N
<b>Are you registered to vote?</b>				
Yes	97.8%	141	64.5%	51
<b>Campus Satisfaction</b>				
<b>Overall college experience</b>		153		56
Very Satisfied	52.1%		27.3%	
<b>Overall quality of instruction</b>		153		56
Very Satisfied	52.5%		37.4%	
<b>Racial/ethnic diversity of the faculty</b>		153		56
Very Satisfied	16.2%		5.7%	
<b>Career Concern</b>				
<b>Ability to pay off debt</b>		143		51
Essential	17.0%		43.2%	
Not Important	38.1%		9.0%	
<b>Availability of jobs</b>		144		51
Essential	20.0%		40.6%	
<b>Expression of personal values</b>		144		51
Essential	25.2%		47.5%	
<b>Social recognition or status</b>		144		50
Not Important	27.2%		11.7%	
<b>Work/life balance</b>		143		51
Essential	36.9%		53.5%	
<b>Contribution</b>				
<b>Preparedness for employment after college</b>		153		59
Strongly Agree	48.3%		24.3%	
<b>Problem-solving skills</b>		153		59
Strongly Agree	63.2%		45.9%	
<b>Understanding of national issues</b>		153		59
Strongly Agree	37.7%		18.7%	
<b>Intellectual and practical skills (including inquiry and analysis, critical thinking, and information literacy)</b>		153		59
Strongly Agree	72.2%		53.9%	
<b>Determine how to collect appropriate data</b>		142		51
Absolutely	22.1%		37.2%	
<b>Diversity Rating</b>				
<b>Ability to see the world from someone else's perspective</b>		154		59
A Major Strength	40.4%		56.8%	
<b>Critical thinking skills</b>		154		59
A Major Strength	67.5%		49.4%	
<b>Ethnic Experience</b>				
<b>Dined or shared a meal</b>		146		53
Very Often	26.4%		49.5%	
<b>Felt ignored or invisible because of my race/ethnicity</b>		145		53
Never	75.3%		20.6%	
<b>Felt insulted or threatened because of your race/ethnicity</b>		146		53
Never	73.7%		34.7%	
<b>Had tense, somewhat hostile interactions</b>		146		53
Never	55.0%		39.0%	
<b>Pursued (by), date, or otherwise intimately involved</b>		146		53
Very Often	6.3%		19.9%	
Never	50.0%		33.0%	

Question	White	N	URM	N
Studied or prepared for class Very Often	23.5%	146	39.3%	53
<b>Faculty Provide</b>				
A letter of recommendation Not at all	21.7%	146	10.2%	53
Emotional support and encouragement Not at all	22.4%	146	8.7%	53
Help to improve your study skills Frequently	29.2%	146	47.2%	53
Not at all	20.8%		8.2%	
<b>Goal</b>				
Being very well off financially Essential	26.7%	146	45.0%	53
Raising a family Not Important	15.4%	146	6.0%	53
<b>Habits of Mind</b>				
Ask questions in class Not at all	4.9%	160	0.5%	62
Evaluate the quality or reliability of information you received Frequently	78.0%	160	61.8%	60
<b>Hours per Week</b>				
Socializing with friends in person Over 20	7.5%	152	1.5%	59
Working (for pay) on campus None	59.9%	150	39.5%	59
<b>How would you characterize your political views?</b>				
Conservative	26.6%	157	13.1%	59
<b>Inst Opinion</b>				
I feel I am a member of this college Strongly Agree	51.7%	150	33.9%	54
I have effectively led a group to a common purpose Strongly Agree	52.3%	150	27.1%	55
I have felt discriminated against at this institution because of my race/ethnicity, gender, sexual orientation, disability status, or religion Strongly Disagree	51.1%	150	14.4%	55
<b>Overall GPA</b>				
A or A+	22.5%	152	8.9%	56
<b>Primary Major GPA</b>				
A or A+	30.4%	151	13.9%	55
<b>Primary plans</b>				
Attend graduate/professional school full-time Yes	21.6%	142	41.7%	50
No	78.4%		58.3%	
Participate in a service organization like the Peace Corps, AmeriCorps/VISTA, or Teach for America Yes	4.2%	142	16.6%	49
No	95.8%		83.4%	

Question	White	N	URM	N
<b>Perform volunteer work</b>		142		50
Yes	45.9%		69.6%	
No	54.1%		30.4%	
<b>Travel</b>		142		50
Yes	45.4%		62.2%	
No	54.6%		37.8%	
<b>Work part-time</b>		142		50
Yes	15.0%		44.7%	
No	85.0%		55.3%	
<b>Satisfaction</b>				
<b>Financial aid package</b>		153		55
Very Satisfied	9.1%		27.4%	
Can't Rate/Don't Know	39.1%		13.3%	
<b>Laboratory facilities and equipment</b>		153		55
Can't Rate/Don't Know	23.2%		6.0%	
<b>Self Rating</b>				
<b>Academic ability</b>		144		50
Highest 10%	37.9%		14.3%	
<b>Artistic ability</b>		144		50
Lowest 10%	11.6%		3.1%	
<b>Leadership ability</b>		144		50
Highest 10%	30.1%		16.6%	
<b>Writing ability</b>		144		50
Highest 10%	33.3%		9.9%	
<b>Use scientific literature to guide research</b>		143		51
Absolutely	25.4%		12.9%	
<b>Use technical science skills (use of tools, instruments, and/or techniques)</b>		144		51
Absolutely	15.5%		6.3%	
<b>View</b>				
<b>Students from disadvantaged social backgrounds should be given preferential treatment in college admissions</b>		144		51
Strongly Disagree	17.1%		6.0%	
<b>Through hard work everybody can succeed in American society</b>		144		51
Strongly Agree	20.8%		5.9%	
<b>With respect to being employed after graduation, which best describes the current state of your employment plans?</b>		143		51
Not planning on employment this fall	17.1%		5.3%	
Not actively looking for a position	7.0%		24.0%	
<b>With respect to graduate or professional school, which best describes the current state of your educational plans?</b>		143		51
Accepted and will be attending in the fall	18.8%		34.0%	

# Significant Differences Across Specific Responses WFU '18 by Loan Amount

Assuming the minimum number of WFU 2018 respondents-without-loan to any one particular survey item ( $n=38$ ) along with the portion which will yield the largest margin of error (i.e. 50%), the conservative margin of error for WFU 2018 respondents without loan is 15.9%.

Similarly, assuming the minimum number of WFU 2018 respondents-with-loan to any one particular survey item ( $n=48$ ), along with the portion which will yield the largest margin of error (i.e. 50%), the conservative margin of error for WFU 2018 respondents with loan is 14.1%.

However, items identified here relied upon each item's actual number of responses and proportions when testing whether the differences in proportions between the groups, at the 95% confidence interval, included 0.0, (i.e. there was likely no difference).

In the analysis, post-stratified weights were used to correct for bias due to nonresponse and underrepresented groups in the population.

## 2018 WFU College Senior Survey(CSS) Responses Differing Significantly by Loan Amount

Question	None	N	Some	N
<b>Act in College</b>				
Held a full-time job (approx. 40 hours) while taking classes		39		49
No	100.0%		92.1%	
Participated in a campus program that promotes STEM careers (e.g. BUILD, MARC, HHMI, S-STEM)		39		49
Yes	1.9%		25.5%	
No	98.1%		74.5%	
Participated in: An LGBTQ student organization		39		49
No	100.0%		90.0%	
Participated in: An undergraduate research program		39		49
Yes	51.6%		25.1%	
No	48.4%		74.9%	
Taken an honors course		39		49
Yes	37.3%		15.1%	
No	62.7%		84.9%	
<b>Act in Past Year</b>				
Contributed money to help support my family		39		49
Not at all	92.5%		62.2%	
<b>Act</b>				
Contributed to class discussions		39		49
Frequently	69.2%		90.0%	
Failed to complete homework on time		39		49
Not at all	65.5%		43.1%	
<b>Aggregated Gradmajor</b>				
Social Science		19		12
Social Science	7.6%		39.7%	
*Omitted if not planning to go to graduate school				
*Not used to calculate the conservative margin of error				
<b>Aid</b>				
Aid which must be repaid (loans, etc.)		39		49
\$15,000 or more	4.2%		34.8%	
None	93.9%		7.9%	
Aid which need not be repaid (grants, scholarships, military, etc.)		39		49
\$15,000 or more	29.4%		78.6%	
None	57.3%		13.2%	
Family resources (parents, relatives, spouse, etc.)		39		49
\$15,000 or more	76.1%		31.4%	
<b>Campus Satisfaction</b>				
Availability of campus social activities		39		49
Very Dissatisfied	15.3%		1.5%	
<b>Career Concern</b>				
Ability to pay off debt		38		49
Essential	10.4%		53.3%	
<b>Diversity Rating</b>				
Ability to see the world from someone else's perspective		39		49
A Major Strength	62.7%		35.0%	
<b>Ethnic Experience</b>				
Dined or shared a meal		39		49
Very Often	17.3%		39.1%	
Had intellectual discussions outside of class		39		49
Never	17.2%		3.0%	

Question	None	N	Some	N
<b>Pursued(by), date, or otherwise intimtely involved</b> Never	67.7%	39	44.5%	49
<b>Explain the results of a study</b> Absolutely	43.4%	38	19.5%	49
<b>Faculty Provide</b> An opportunity to work on a research project Frequently	44.3%	38	22.1%	49
Emotional support and encouragement Not at all	29.3%	39	8.5%	49
<b>Goal</b> Becoming an authority in my field Essential	32.6%	39	8.4%	49
Making a theoretical contribution to science Essential	14.1%	39	1.5%	49
Obtaining recognition from my colleagues for contributions to my special field Essential	20.2%	39	5.8%	49
<b>Highest degree earned as of June 2018</b> Bachelor's degree (B.A., B.S., etc.)	100.0%	38	92.1%	48
<b>Hours per Week</b> Performing household/childcare duties None	75.0%	39	43.6%	49
<b>How many months since entering college (including summer) did you work on a professor's research project?</b> 0 months	43.8%	38	68.7%	49
<b>Inst Opinion</b> Faculty showed concern about my progress Strongly Disagree	19.0%	39	3.0%	49
In class, I have heard faculty express stereotypes based on social identity (such as race/ethnicity, gender, sexual orientation, disability status, or religion) Strongly Agree	14.8%	39	2.1%	49
<b>Primary plans</b> Work full-time Yes	61.7%	38	82.8%	49
No	38.3%		17.2%	
<b>Satisfaction</b> Campus safety services Safe Walk, Public Safety/Police.,etc.) Very Satisfied	9.8%	39	28.4%	49
Financial aid package Can't Rate/Don't Know	28.3%	39	6.4%	49
<b>Self Rating</b> Emotional health Highest 10%	19.8%	38	4.7%	49
<b>View</b> Sexul activity that occurs without presence of explicit, affirmative consent (i.e., "yes means yes") is considered sexual assault Strongly Agree	42.1%	39	68.6%	49



# Longitudinal Graphs of Selected Questions

2009 average n = 343

2011 average n = 237

2013 average n = 321

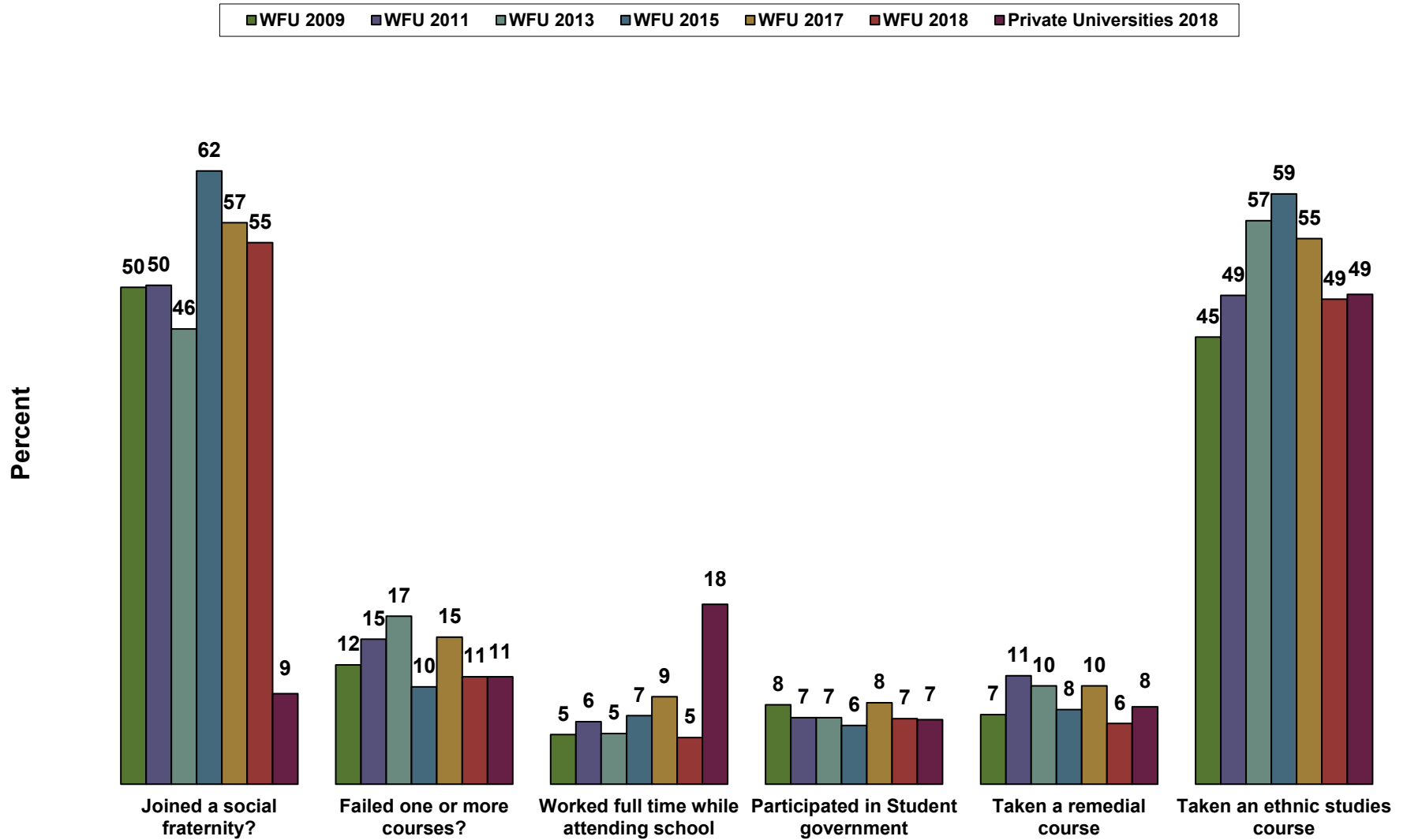
2015 average n = 386

2017 average n = 149

2018 average n = 211

2018 Private University average n =2579

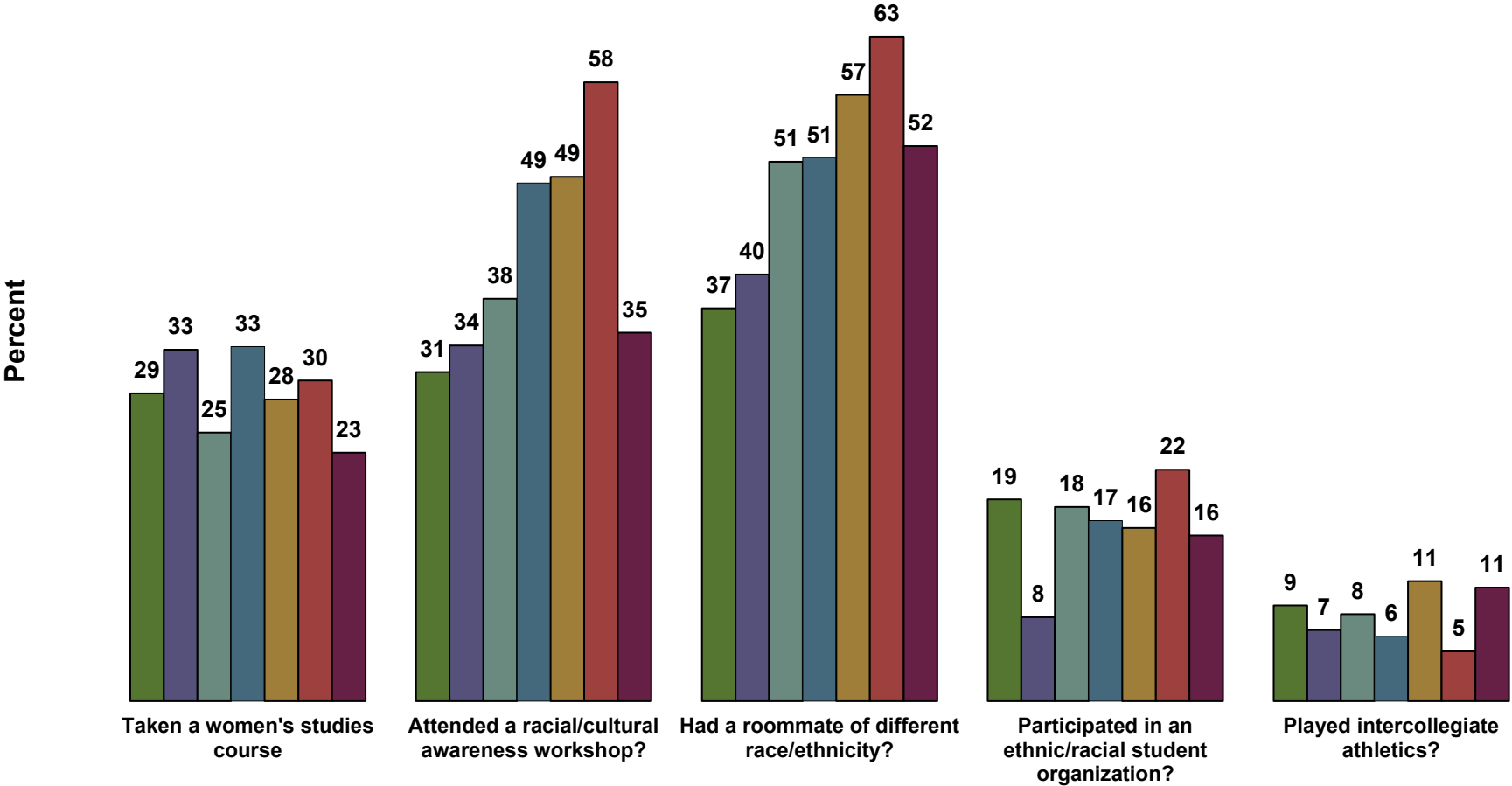
## Since Entering College\*, You Have:



\*Percent of students replying "Yes"

# Since Entering College\*, You Have: (Continued)

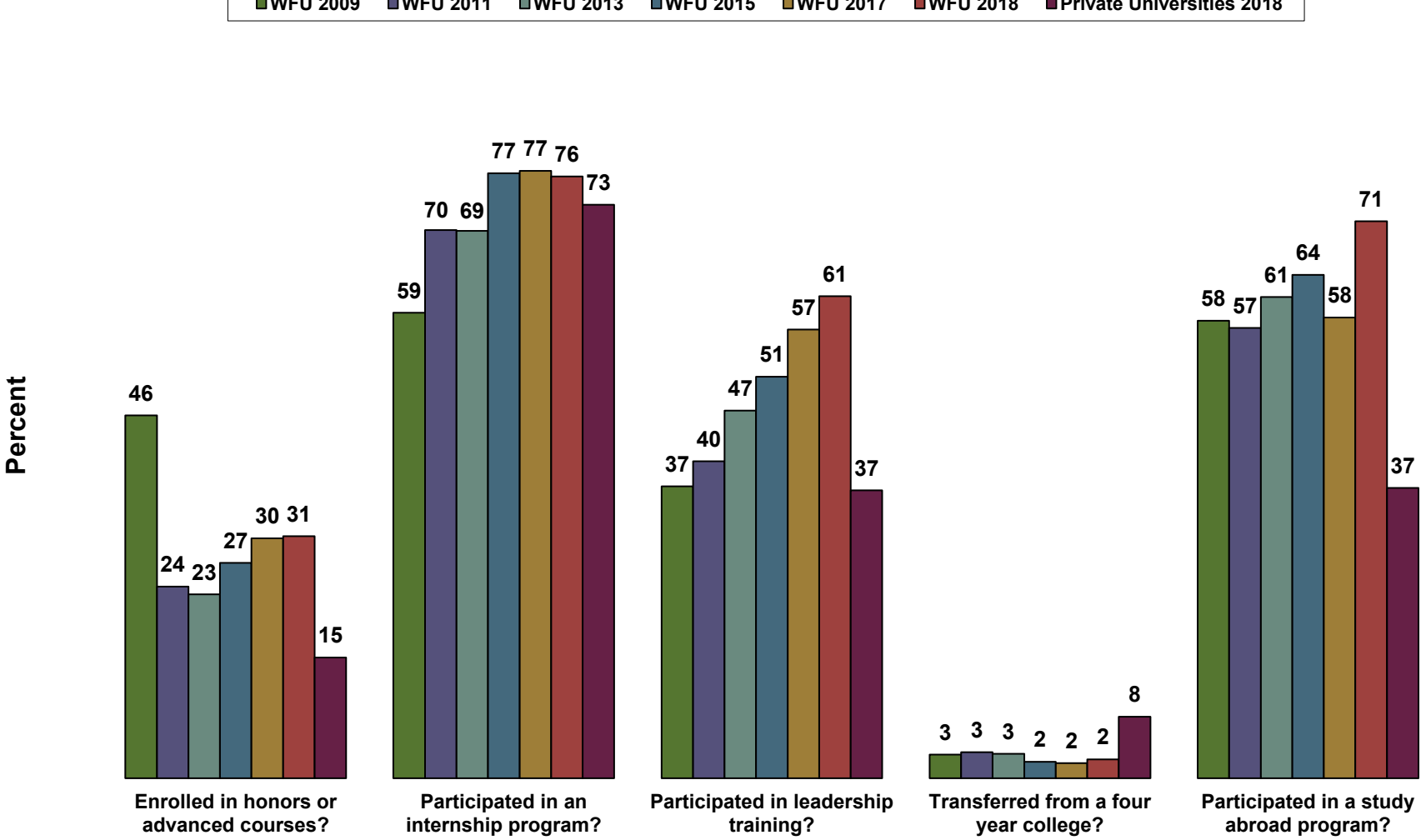
■ WFU 2009 
 ■ WFU 2011 
 ■ WFU 2013 
 ■ WFU 2015 
 ■ WFU 2017 
 ■ WFU 2018 
 ■ Private Universities 2018



\*Percent of students replying "Yes"

# Since Entering College\*, You Have: (Continued)

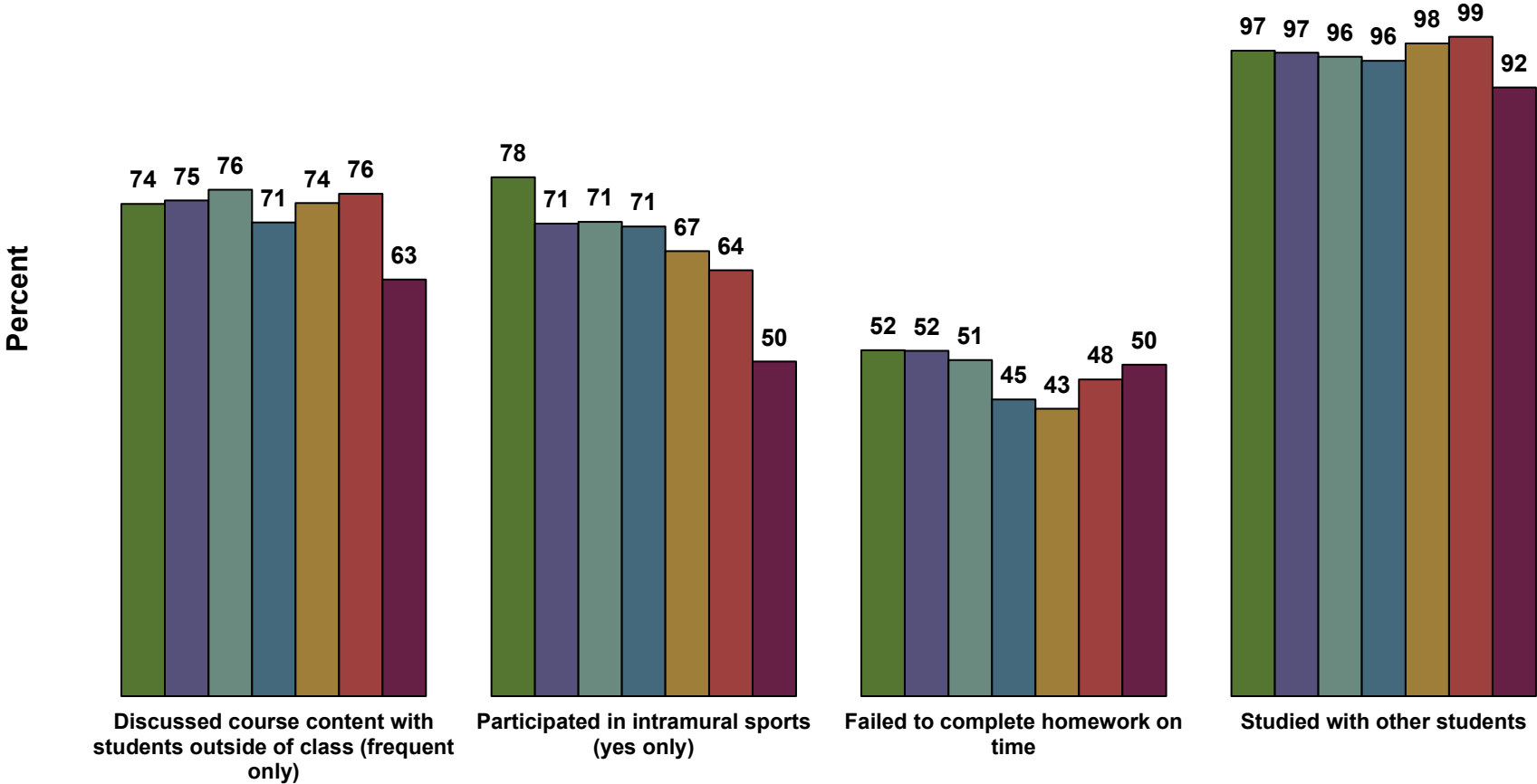
■ WFU 2009 ■ WFU 2011 ■ WFU 2013 ■ WFU 2015 ■ WFU 2017 ■ WFU 2018 ■ Private Universities 2018



\*Percent of students replying "Yes"

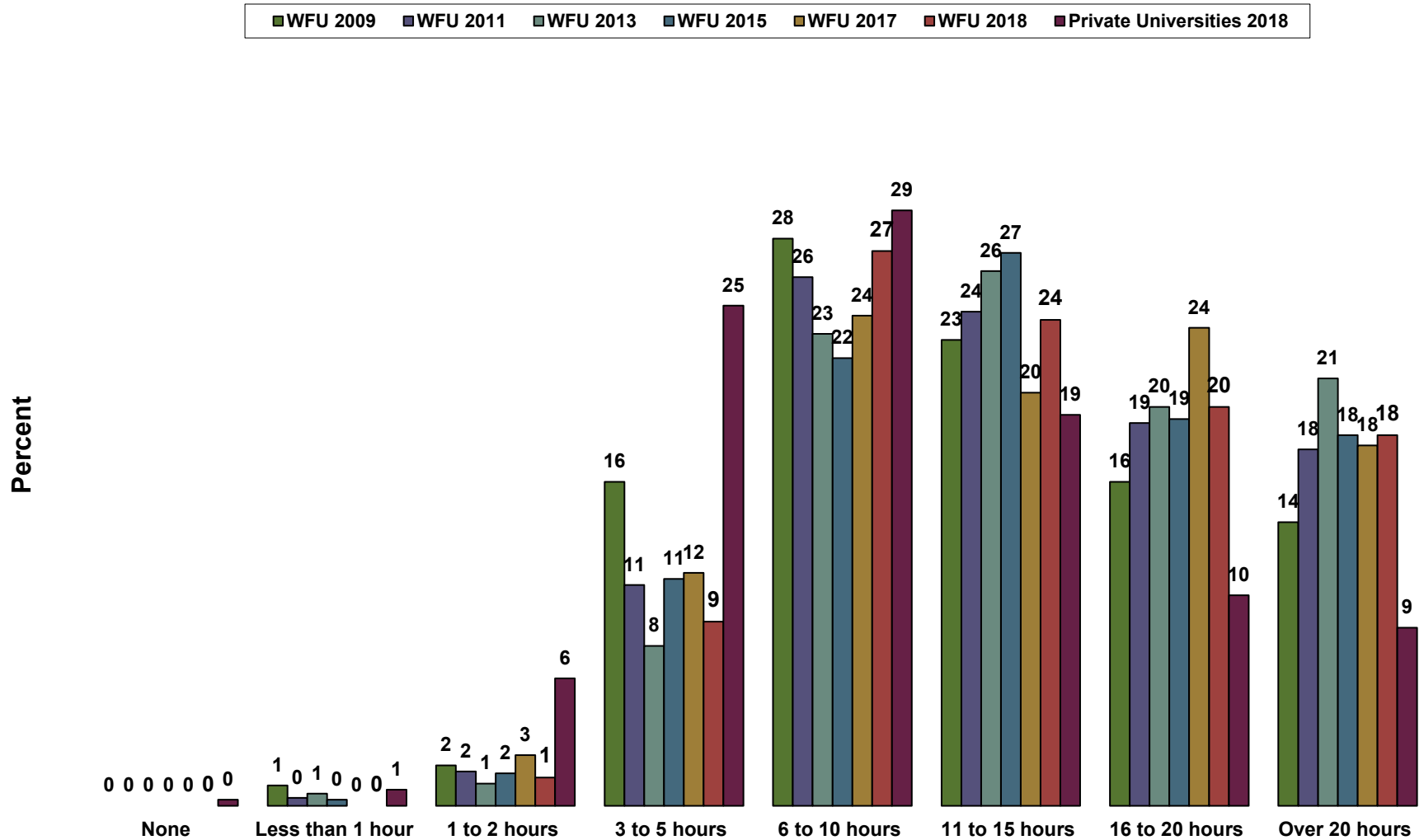
# Since Entering College\*, You Have: (Continued)

■ WFU 2009 ■ WFU 2011 ■ WFU 2013 ■ WFU 2015 ■ WFU 2017 ■ WFU 2018 ■ Private Universities 2018

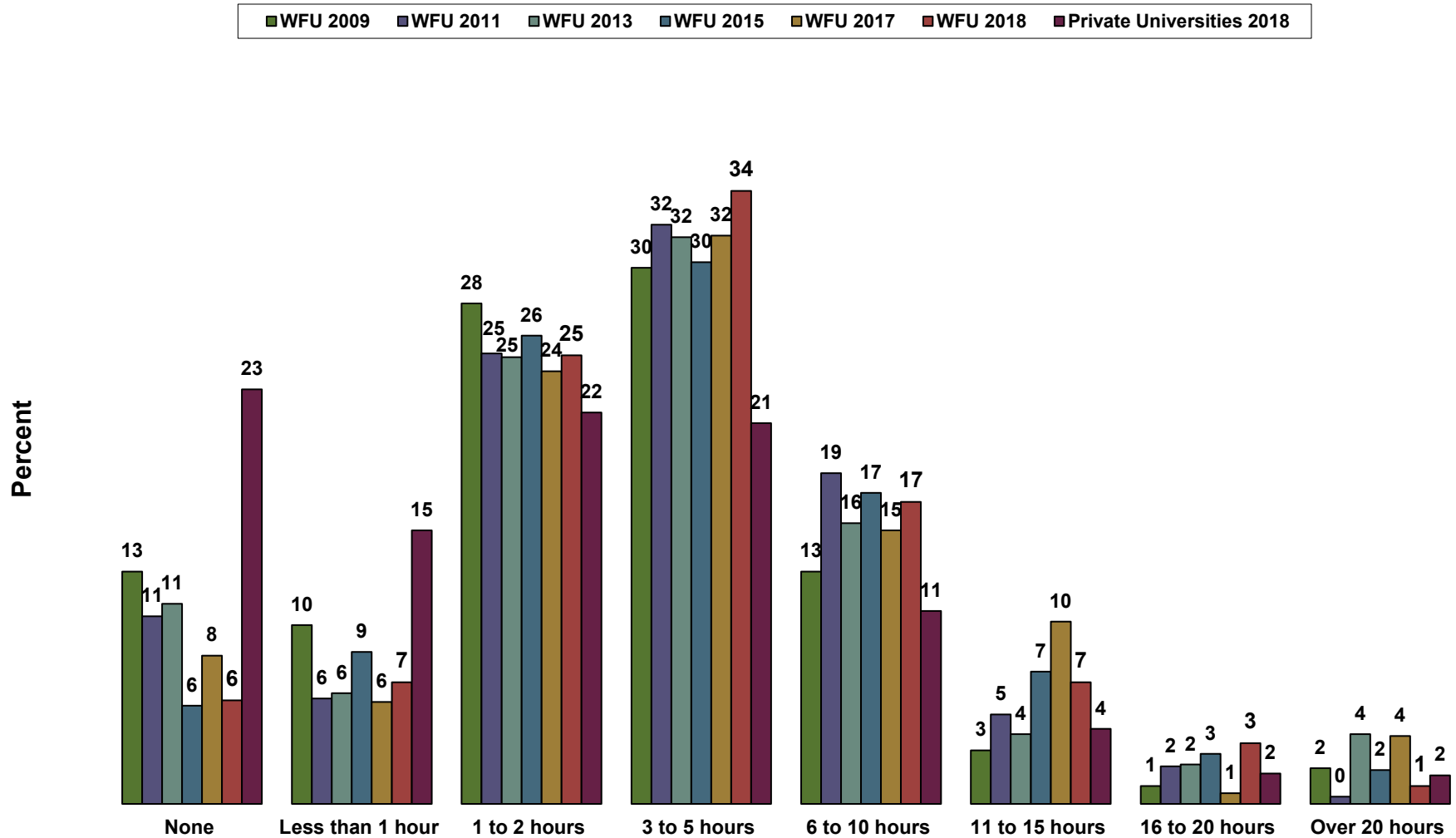


\*Percent of students replying "Frequently" or "Occasionally"

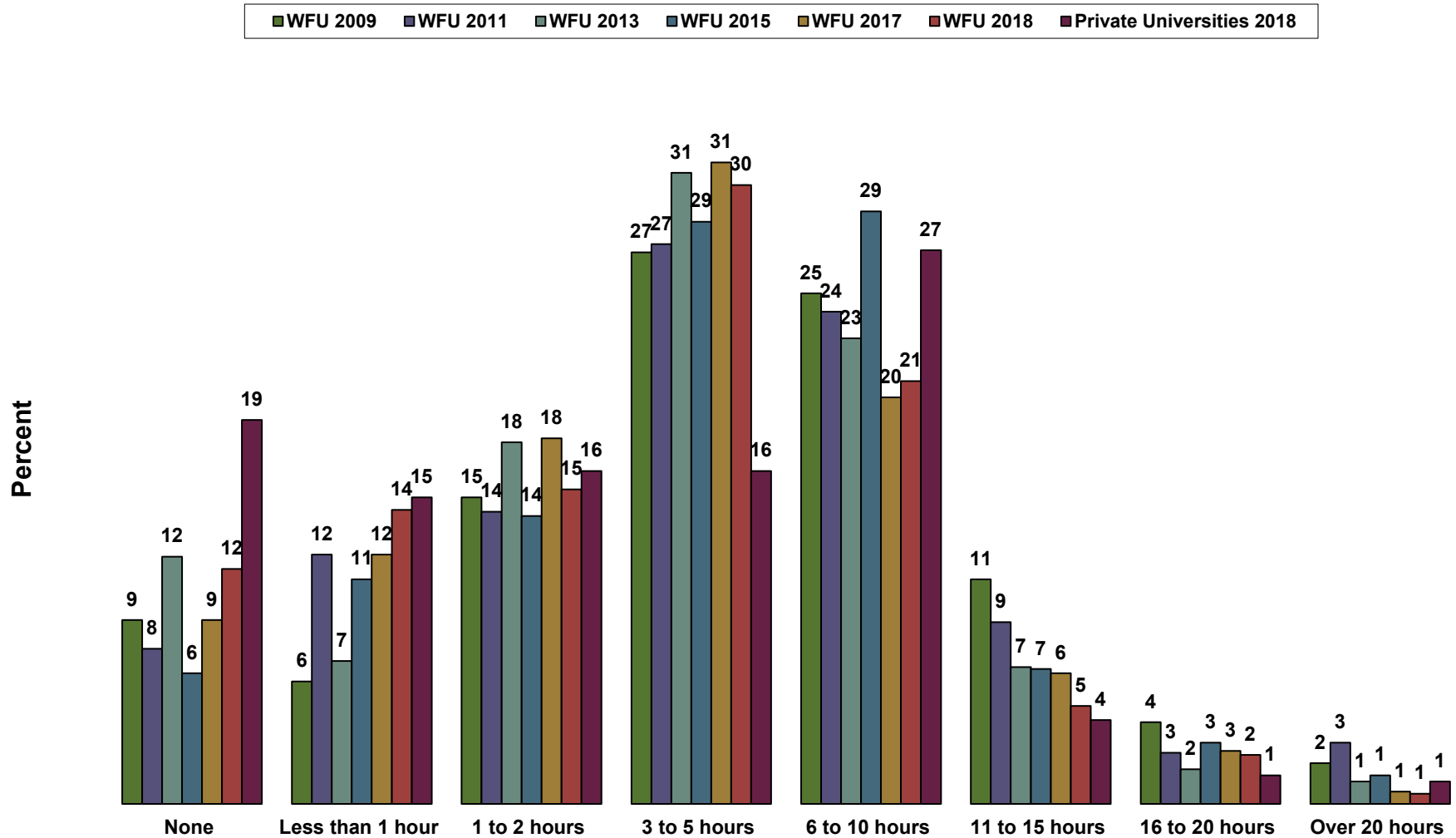
## During The Past Year, How Many Hours Do You Spend In Typical Week Studying/Doing Homework?



## During The Past Year, How Many Hours Do You Spend In Typical Week In Clubs/Groups?

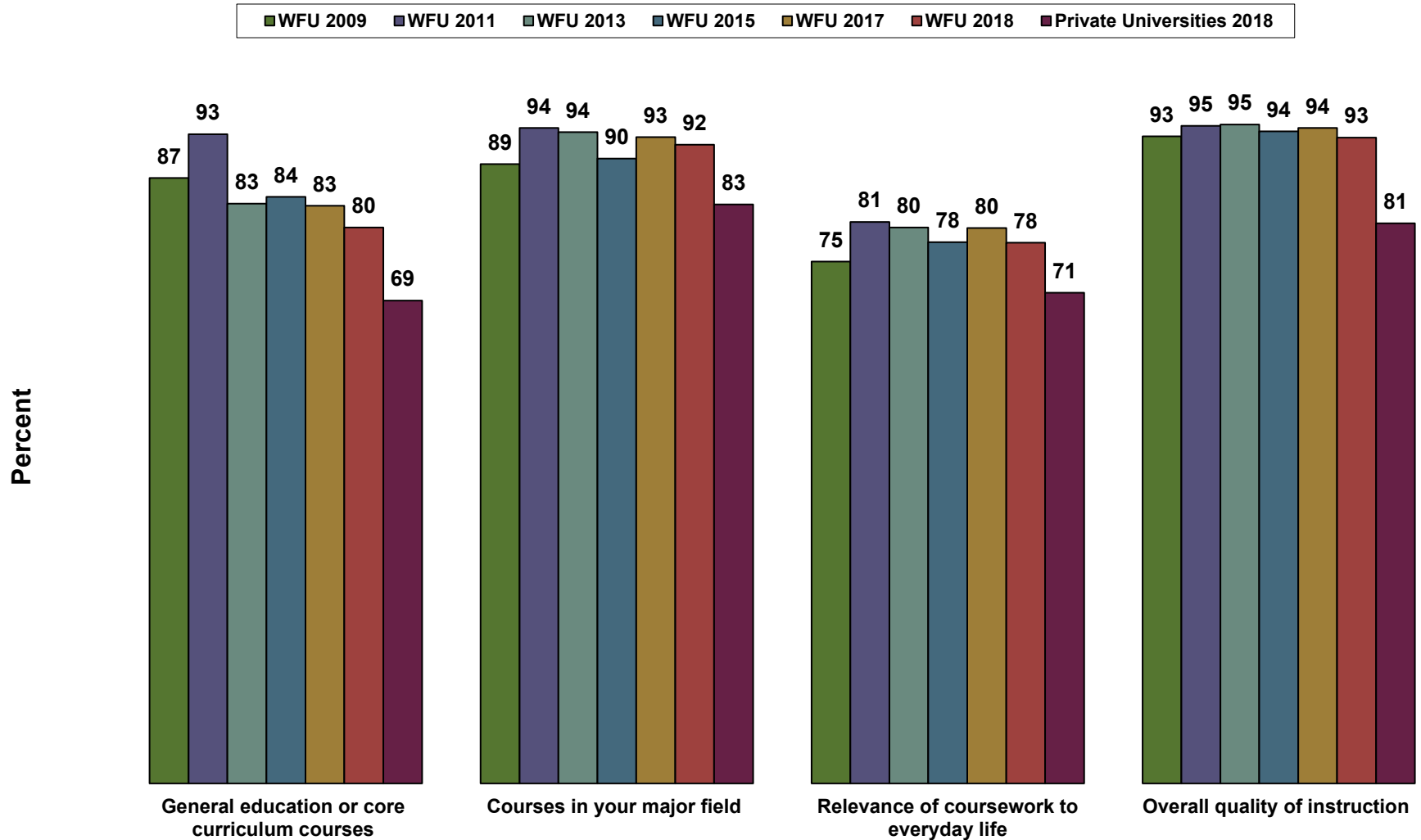


## During The Past Year, How Many Hours Do You Spend In Typical Week Partying?

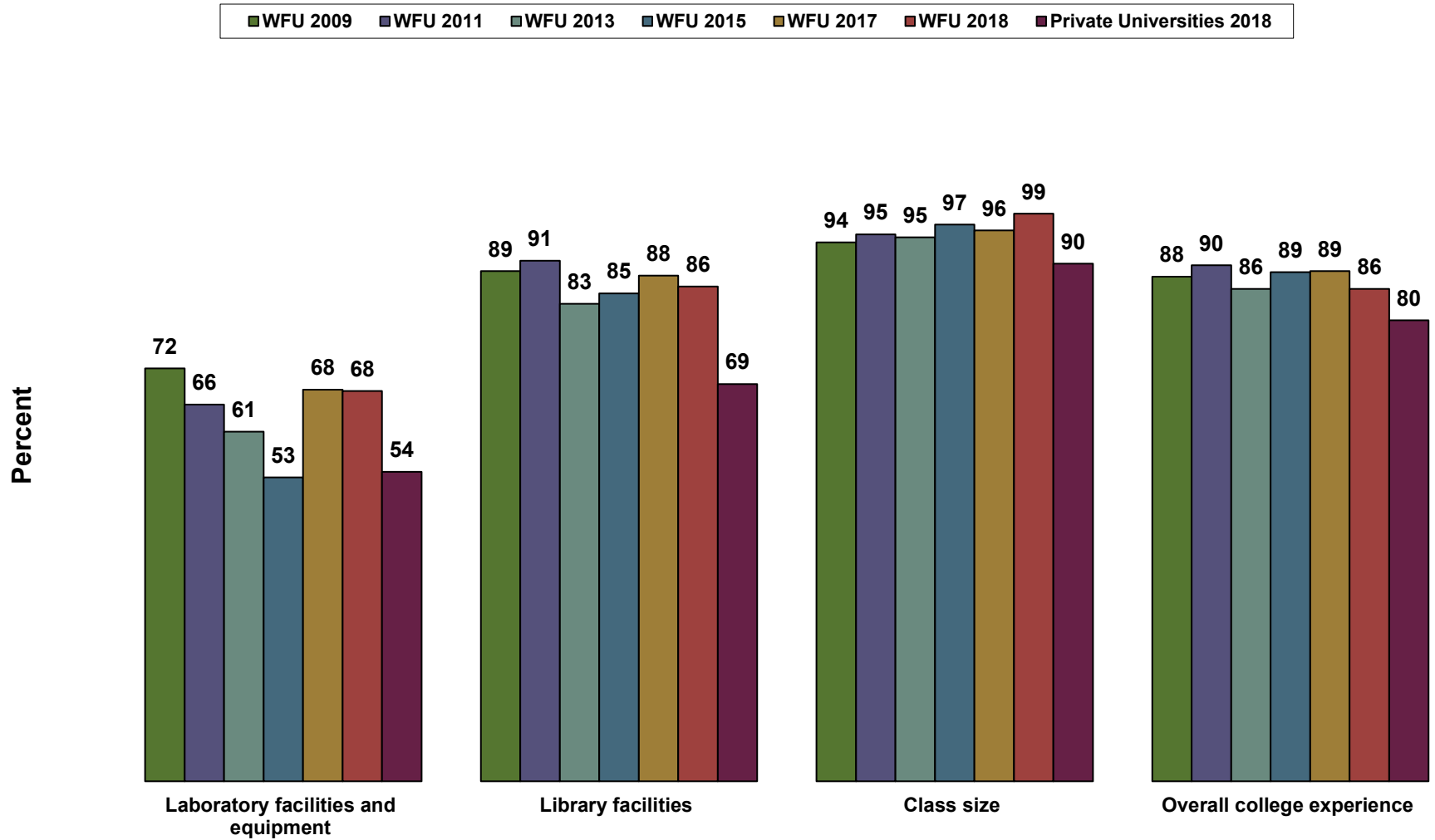




## Students Reporting They Were "Very Satisfied" Or "Satisfied" With:

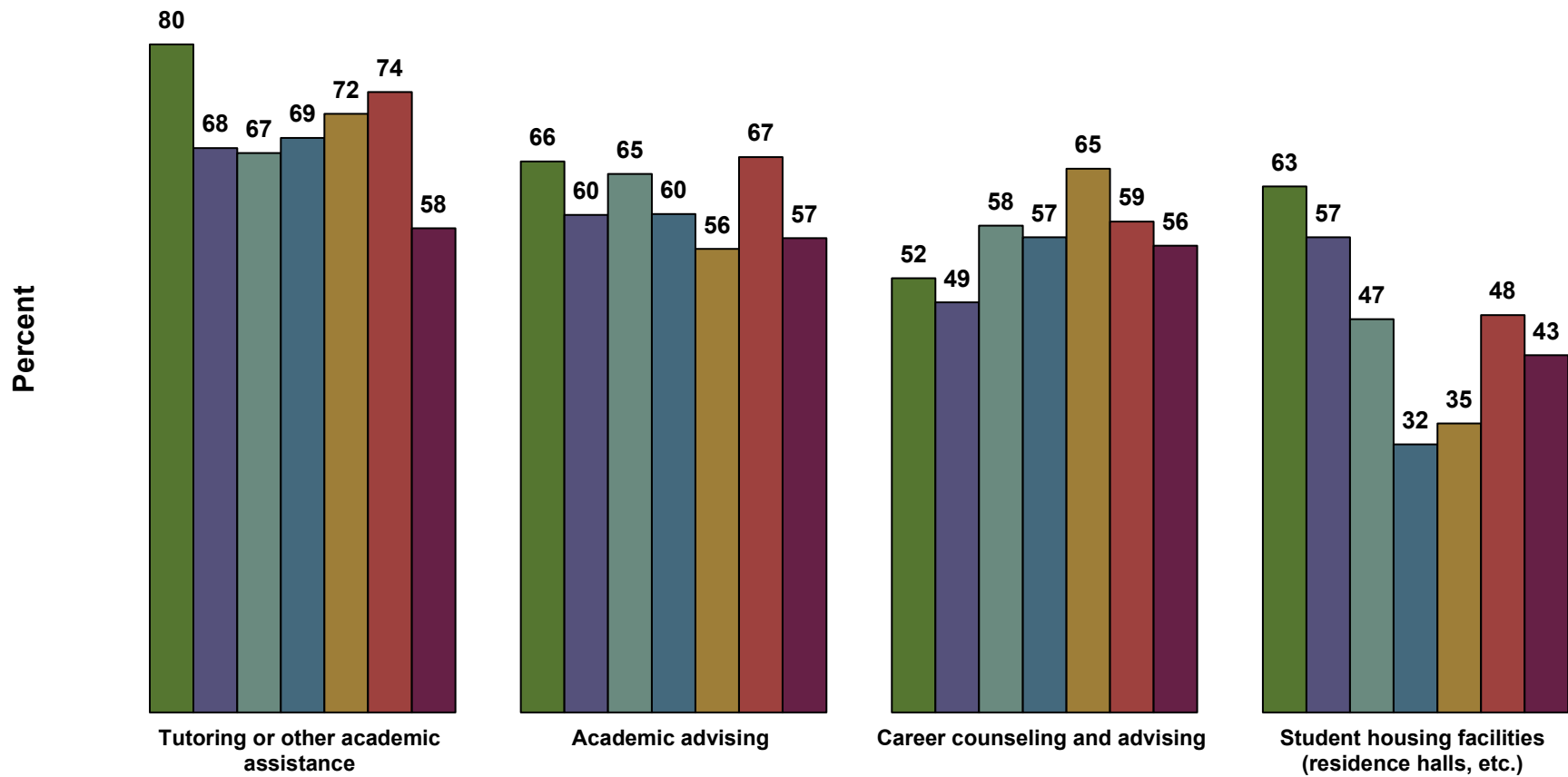


## Students Reporting They Were "Very Satisfied" Or "Satisfied" With: (Continued)

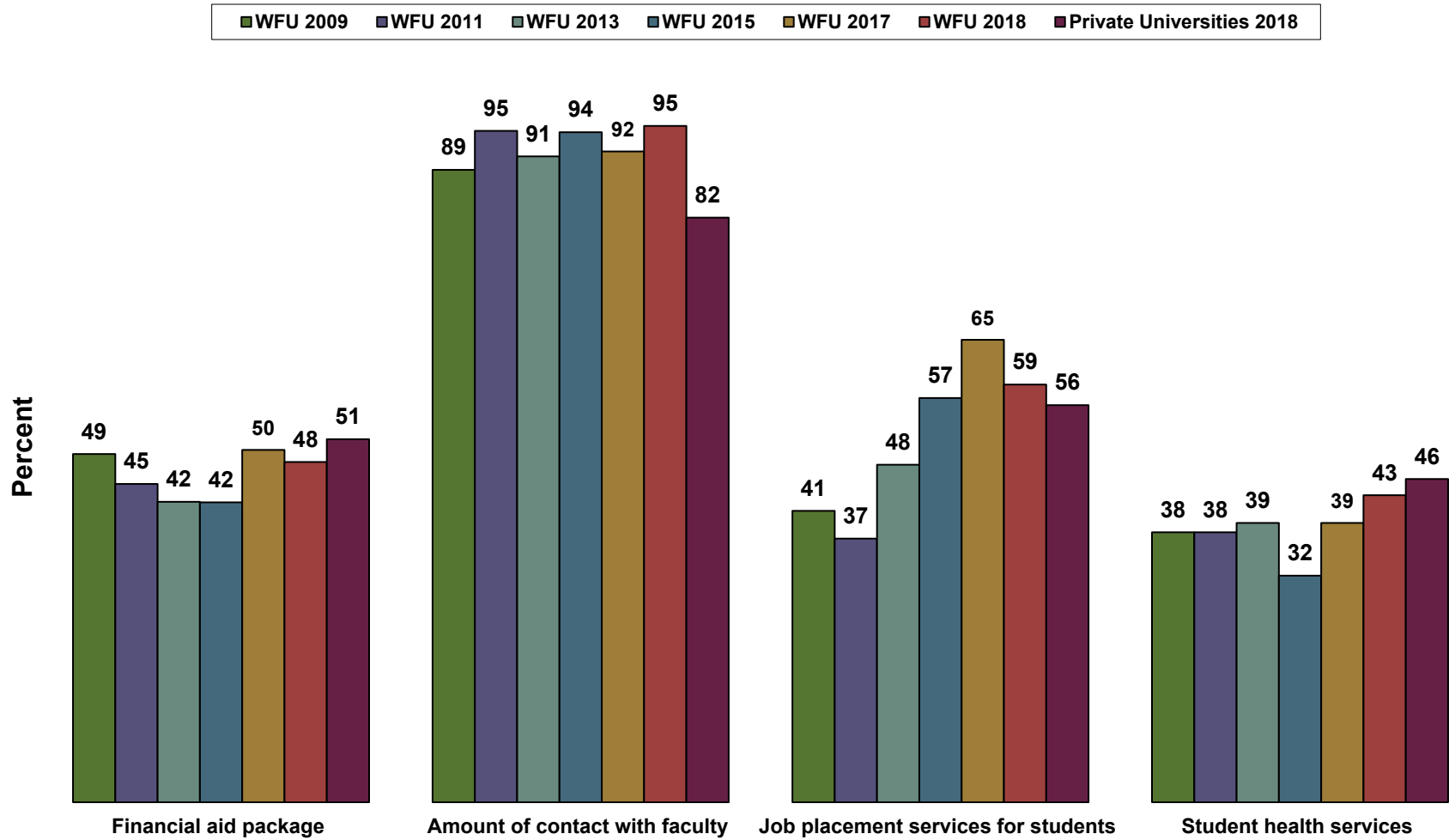


## Students Reporting They Were "Very Satisfied" Or "Satisfied" With: (Continued)

■ WFU 2009  
 ■ WFU 2011  
 ■ WFU 2013  
 ■ WFU 2015  
 ■ WFU 2017  
 ■ WFU 2018  
 ■ Private Universities 2018

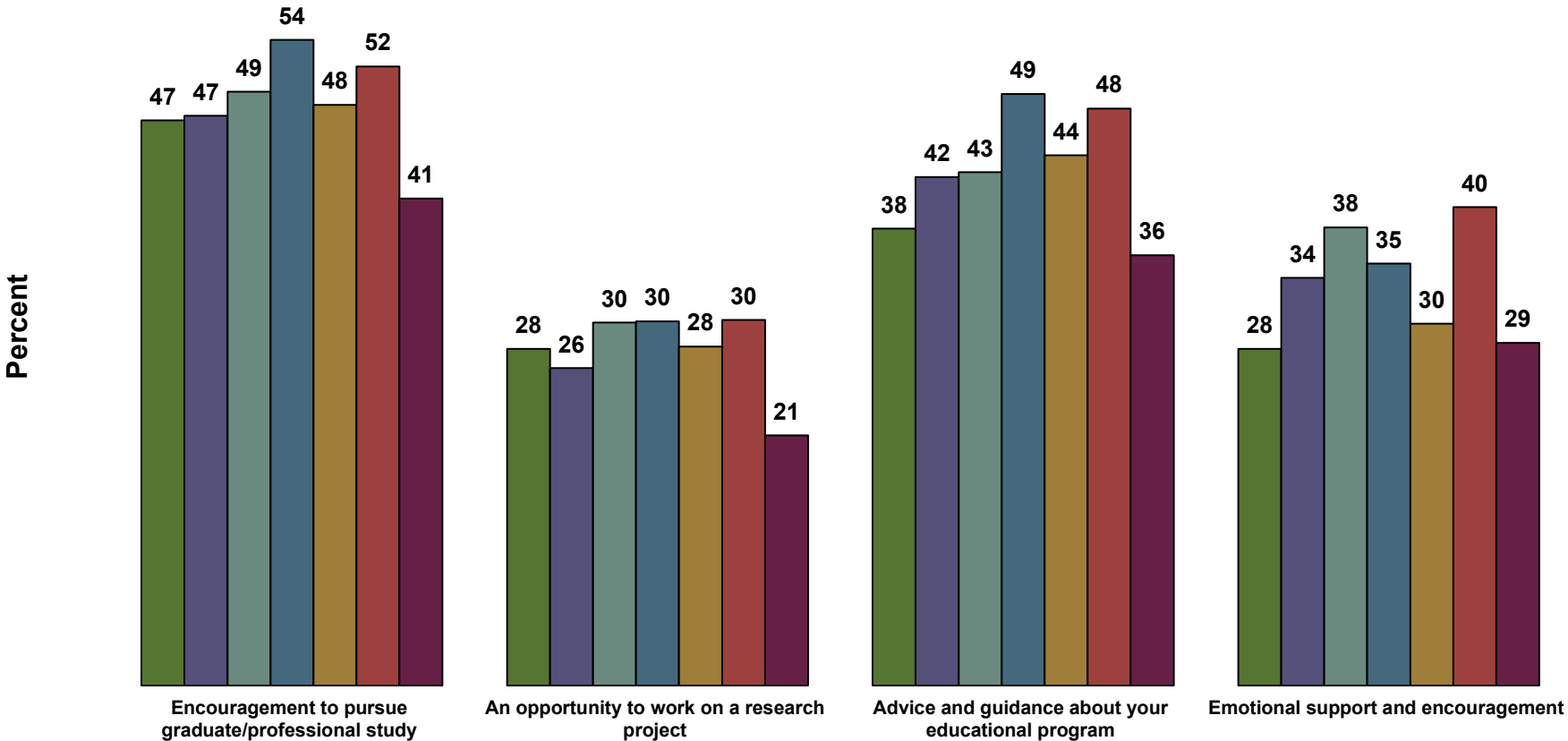


## Students Reporting They Were "Very Satisfied" or "Satisfied" with: (Continued)

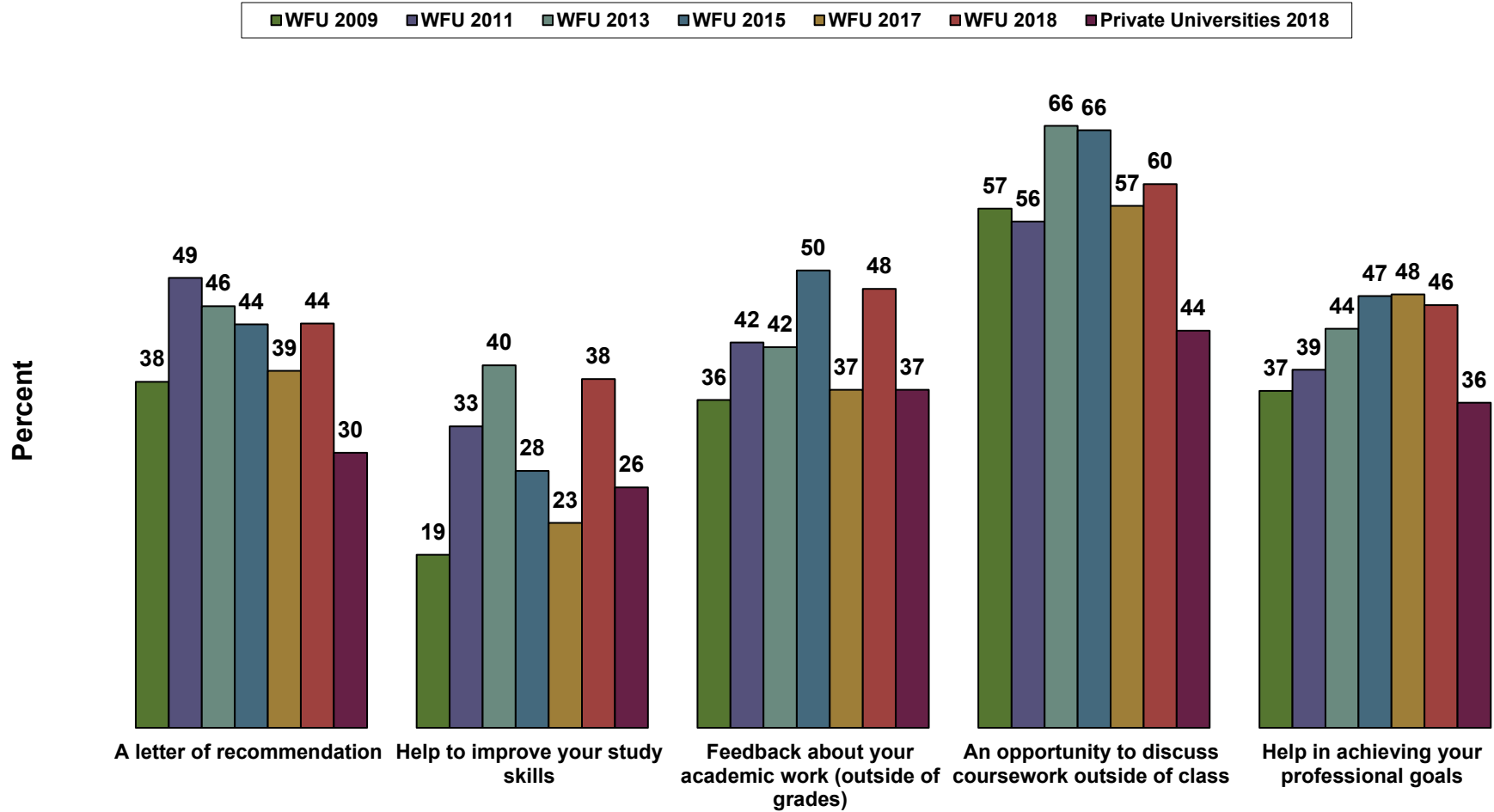


# Professors At Your Most Recent College Frequently Provided You With:

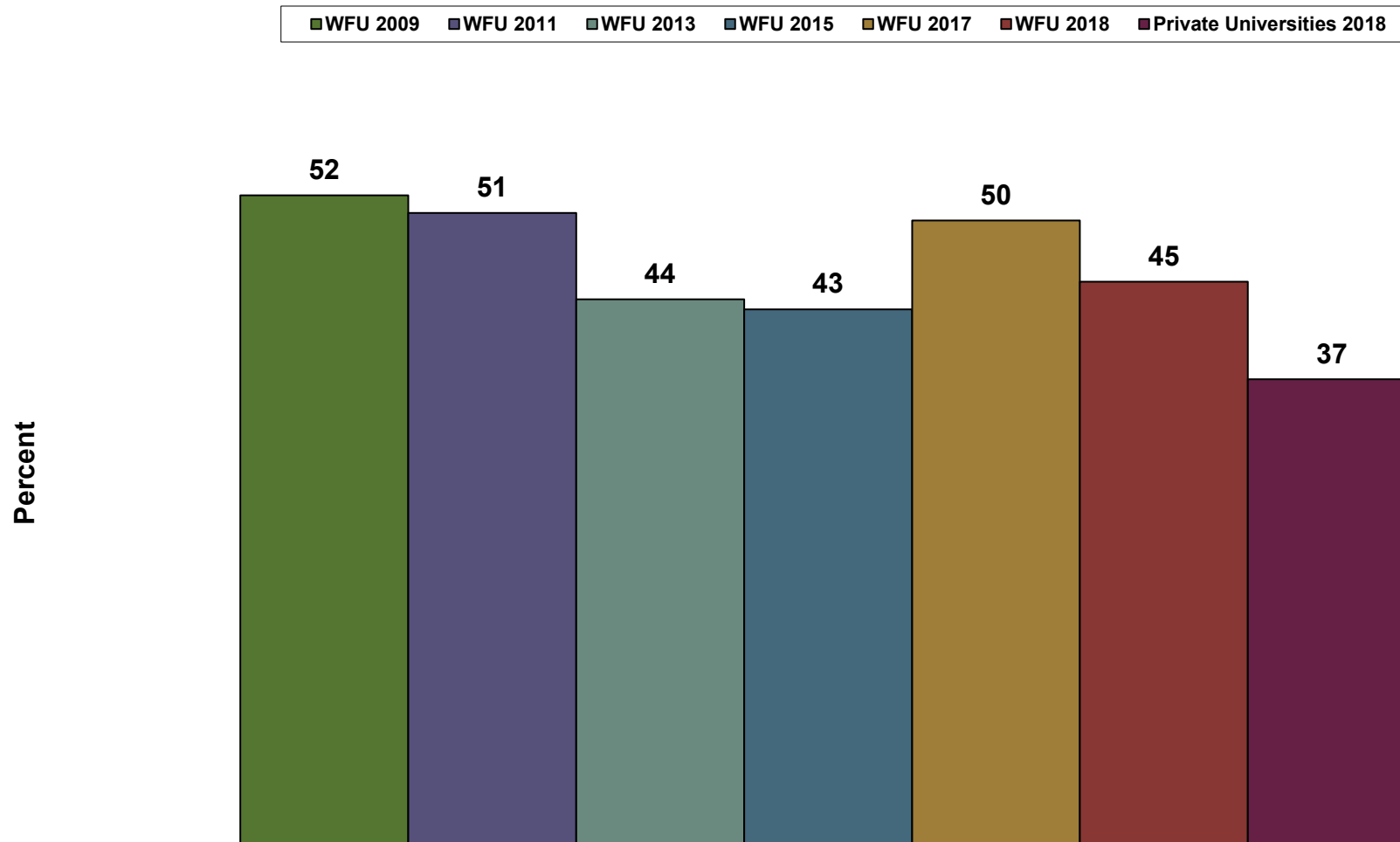
■ WFU 2009   
 ■ WFU 2011   
 ■ WFU 2013   
 ■ WFU 2015   
 ■ WFU 2017   
 ■ WFU 2018   
 ■ Private Universities 2018



## Professors At Your Most Recent College Frequently Provided You With: (Continued)



## Students That "Definitely Would" Choose To Enroll At their Current Or Most Recent College If They Could Make Their College Choice Over:

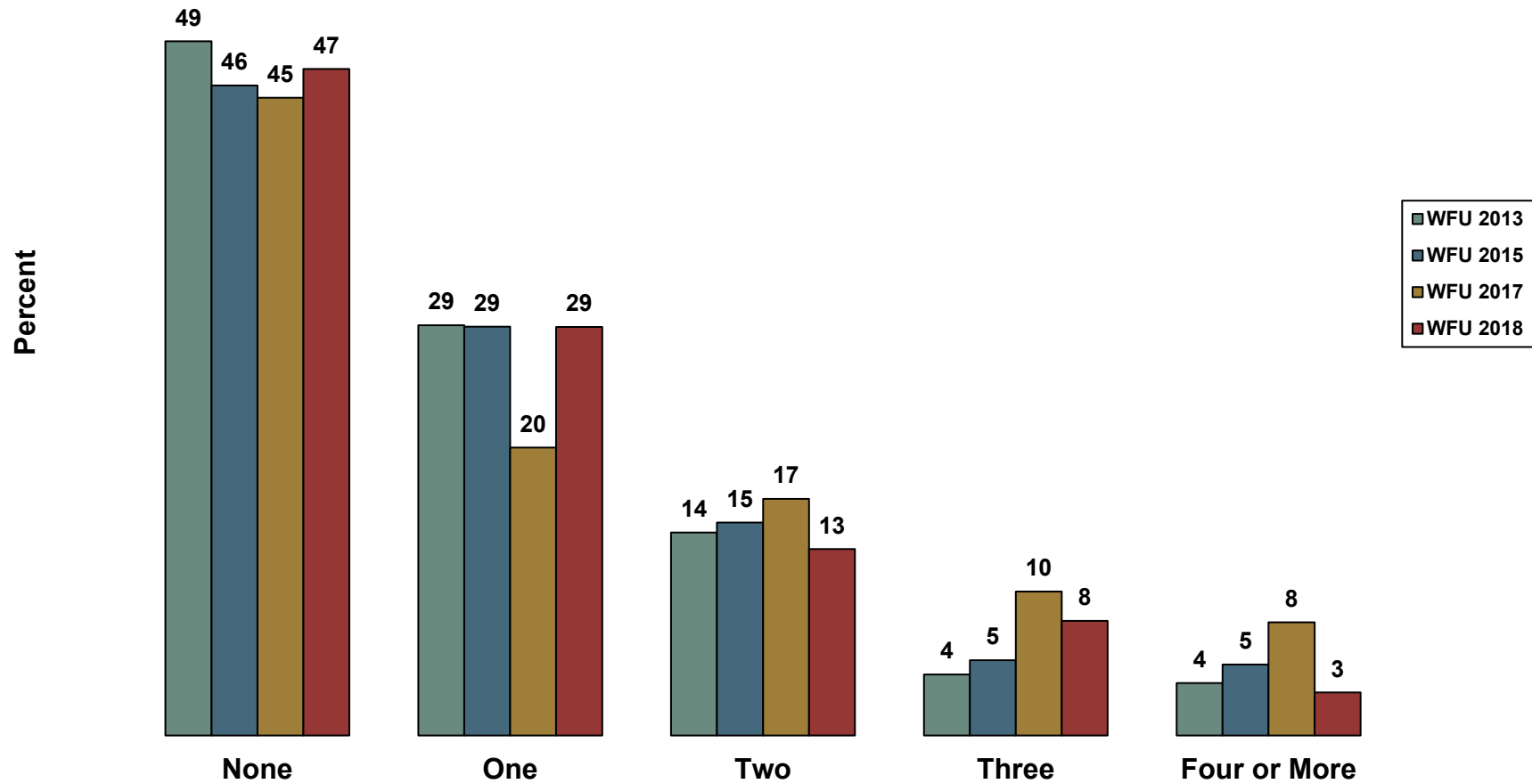


# Longitudinal Graphs of WFU Questions

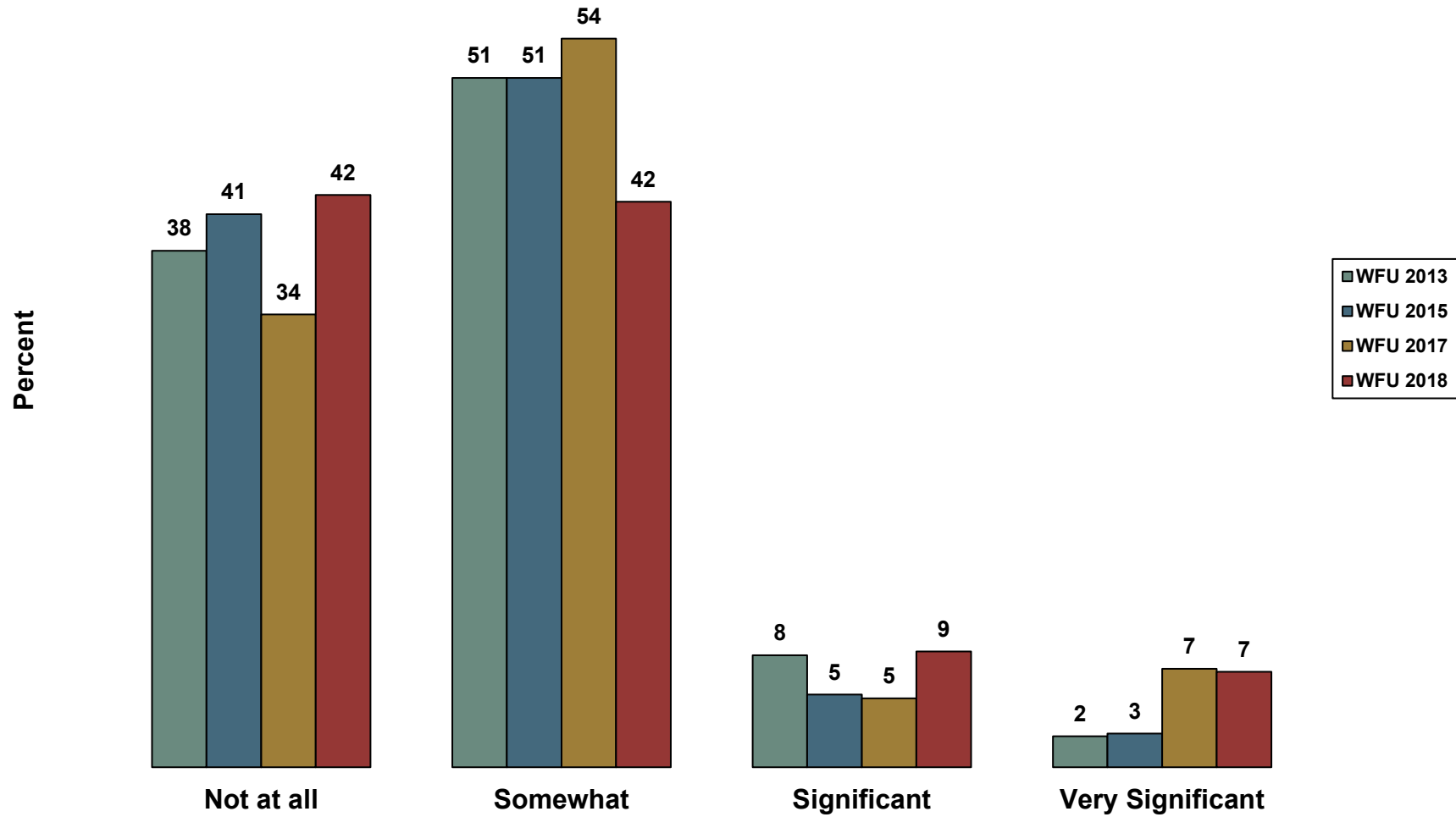
2009 average n = 343  
2011 average n = 237  
2013 average n = 321  
2015 average n = 386  
2017 average n = 149  
2018 average n = 211



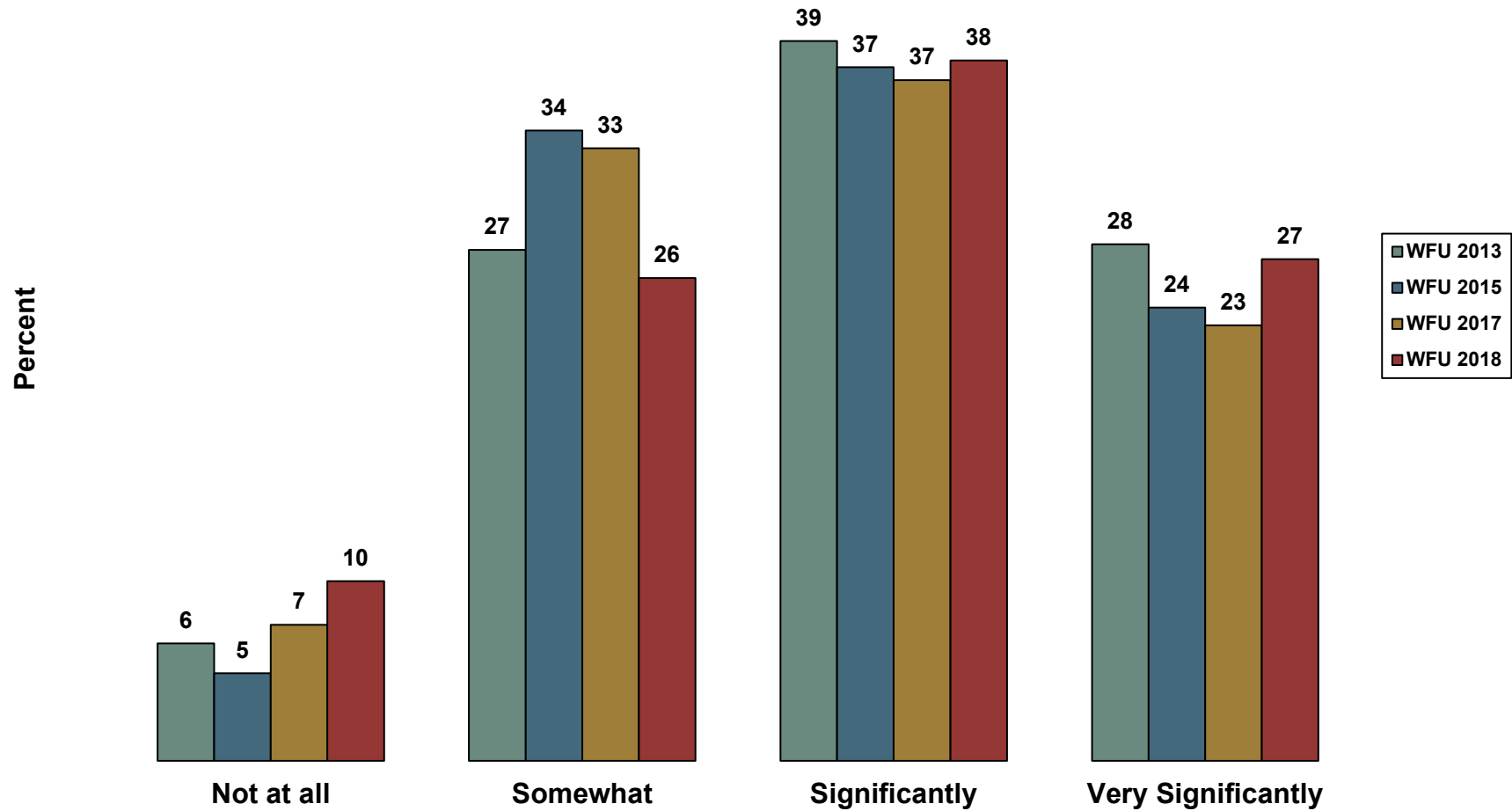
## How many research projects did you collaborate with a professor while at Wake Forest?



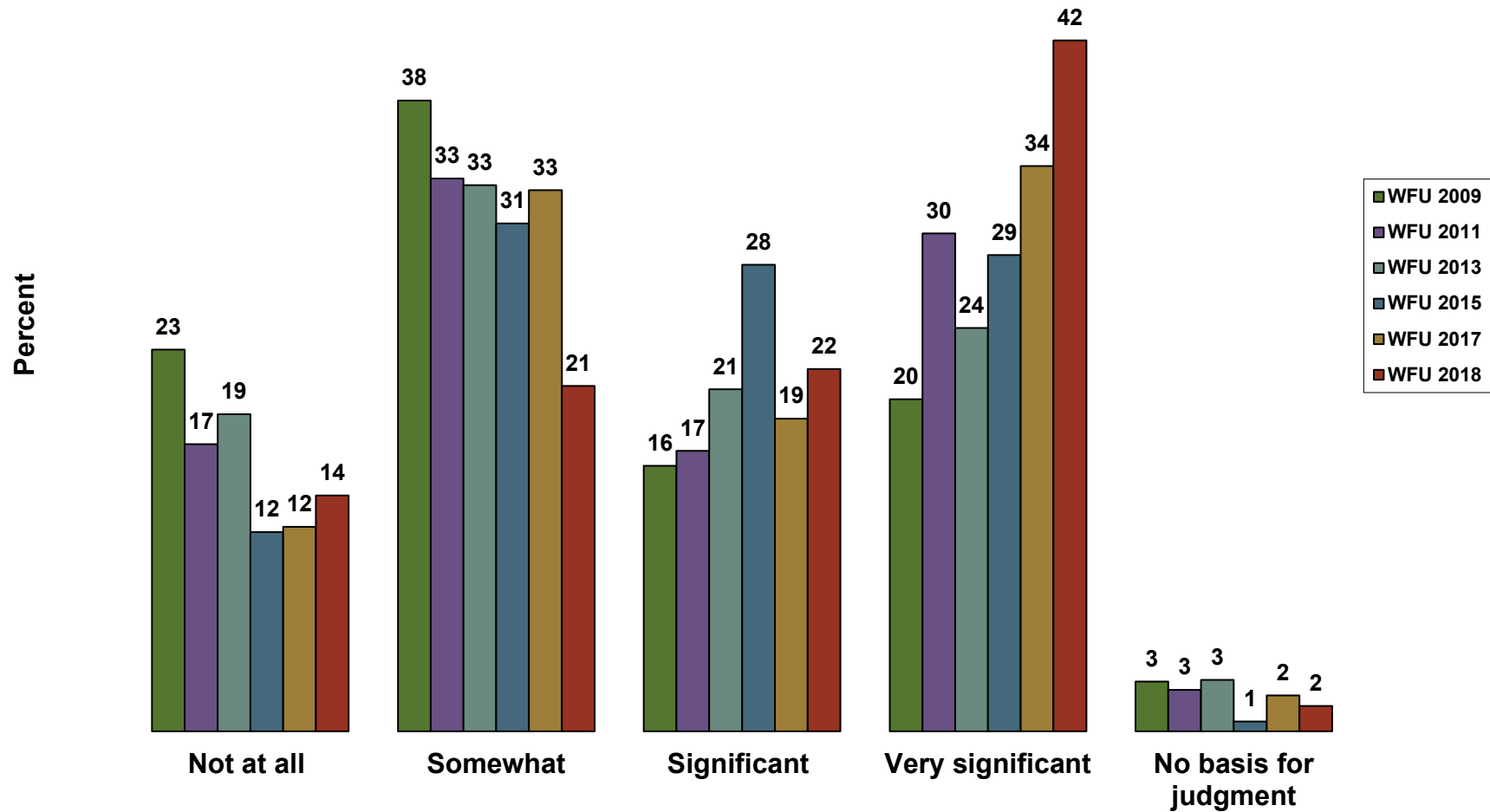
# In your experience, to what degree is academic dishonesty an issue in your classes?



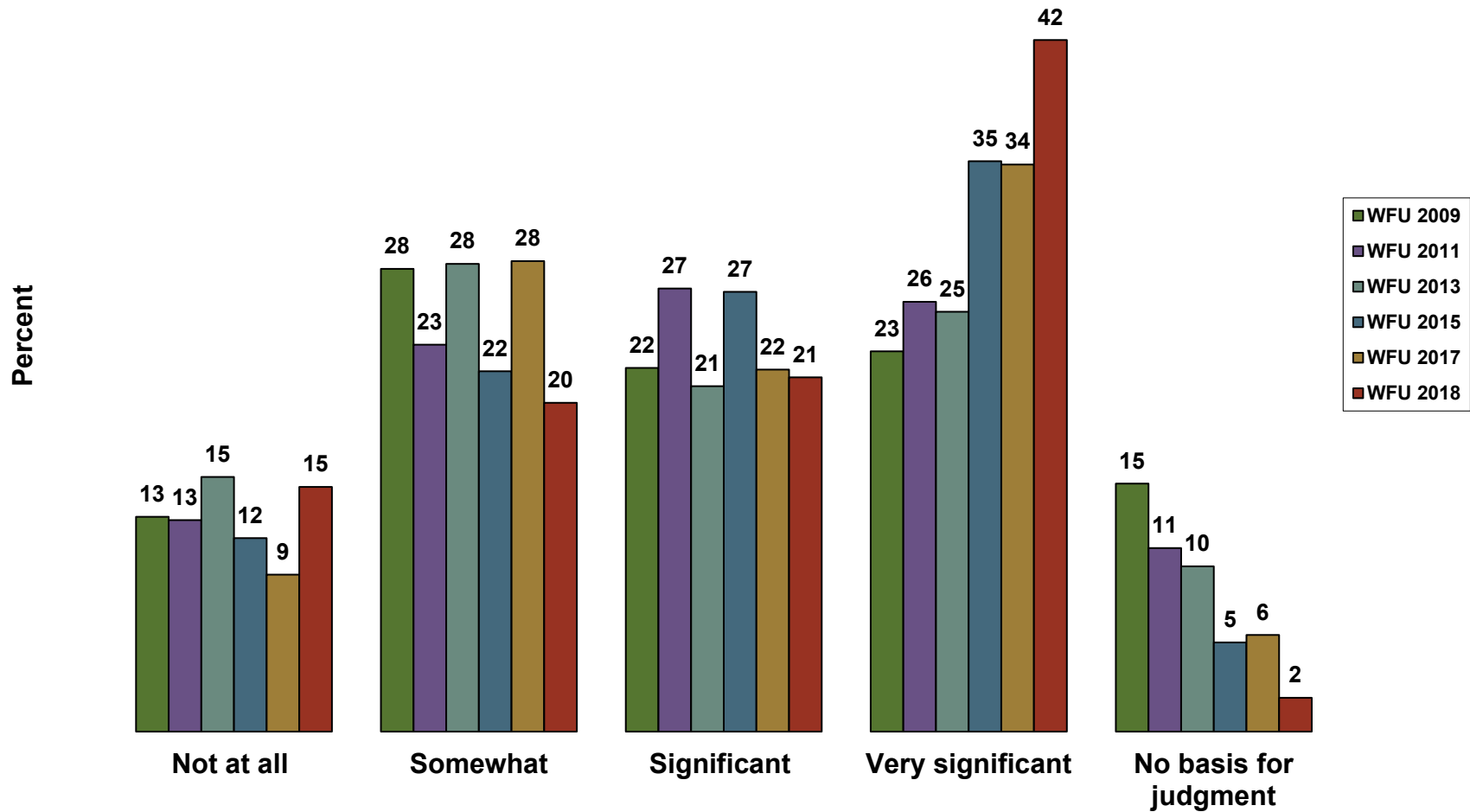
## In your experience, is engaging in academically dishonest acts looked down on by Wake Forest Students?



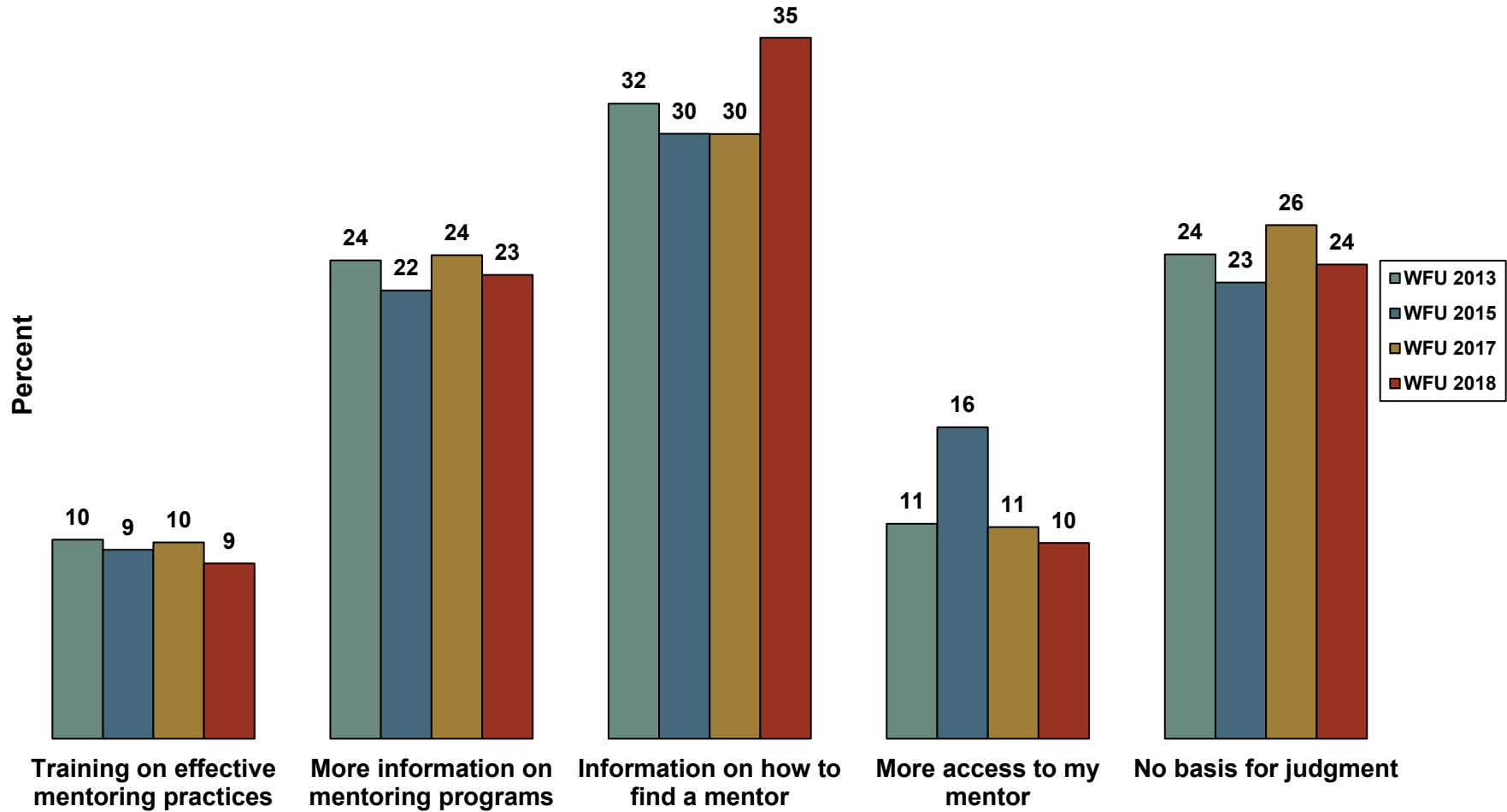
## To what extent did you have a person at Wake Forest you would consider your mentor?



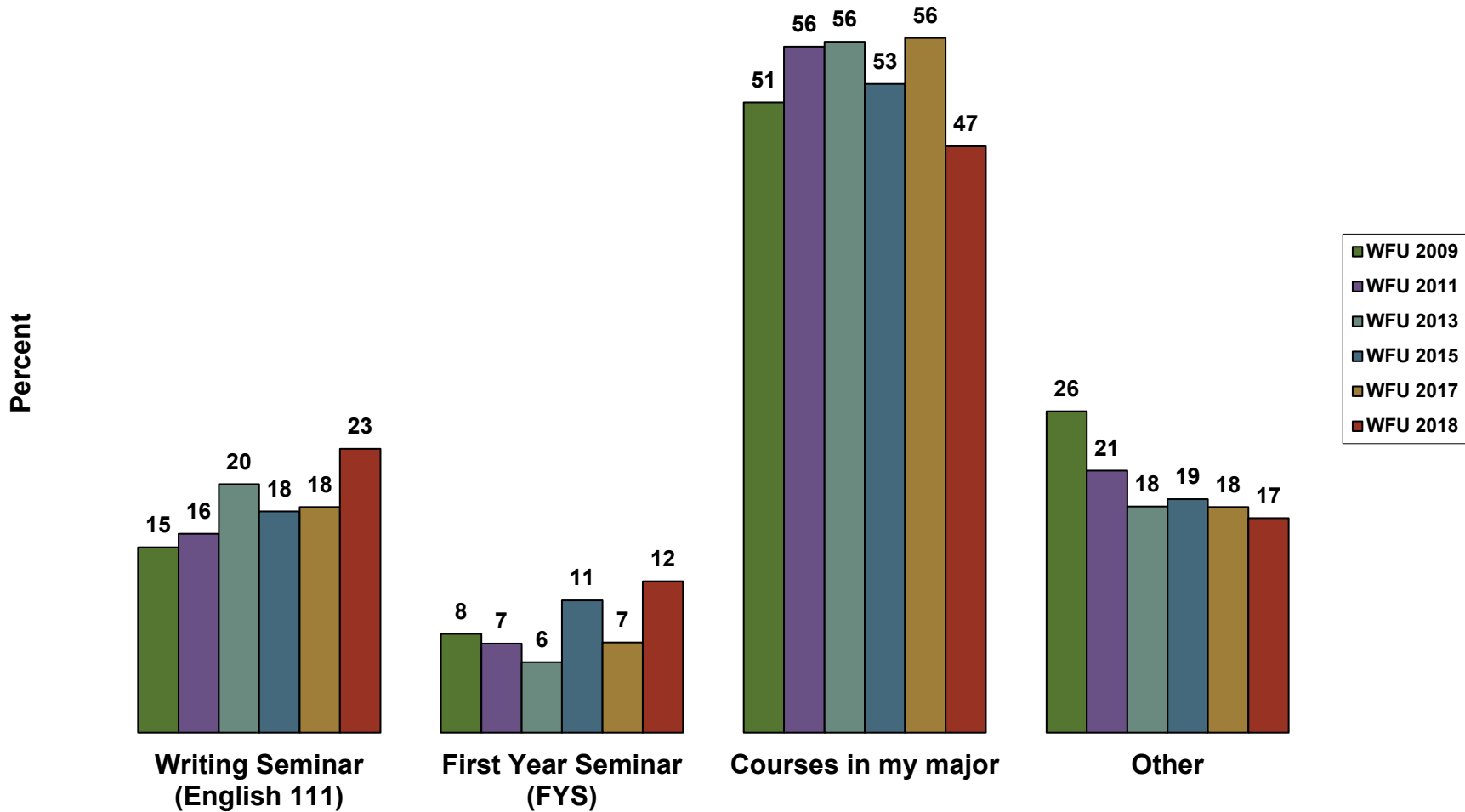
# How valuable was the mentoring experience for you at Wake Forest?



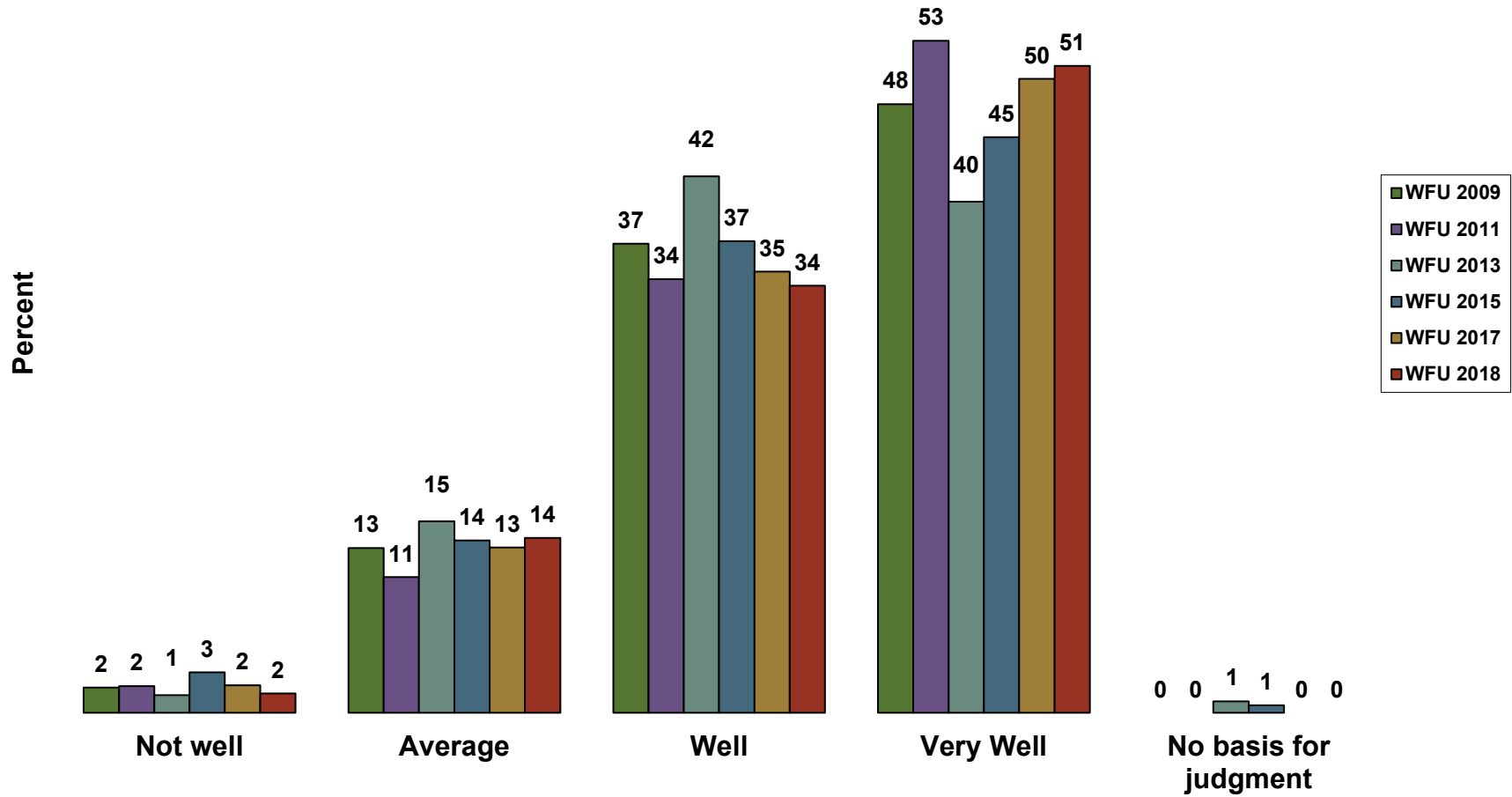
## What would have improved your mentoring experience at Wake Forest?



Indicate below the one area where you feel you learned the most about writing at Wake Forest.

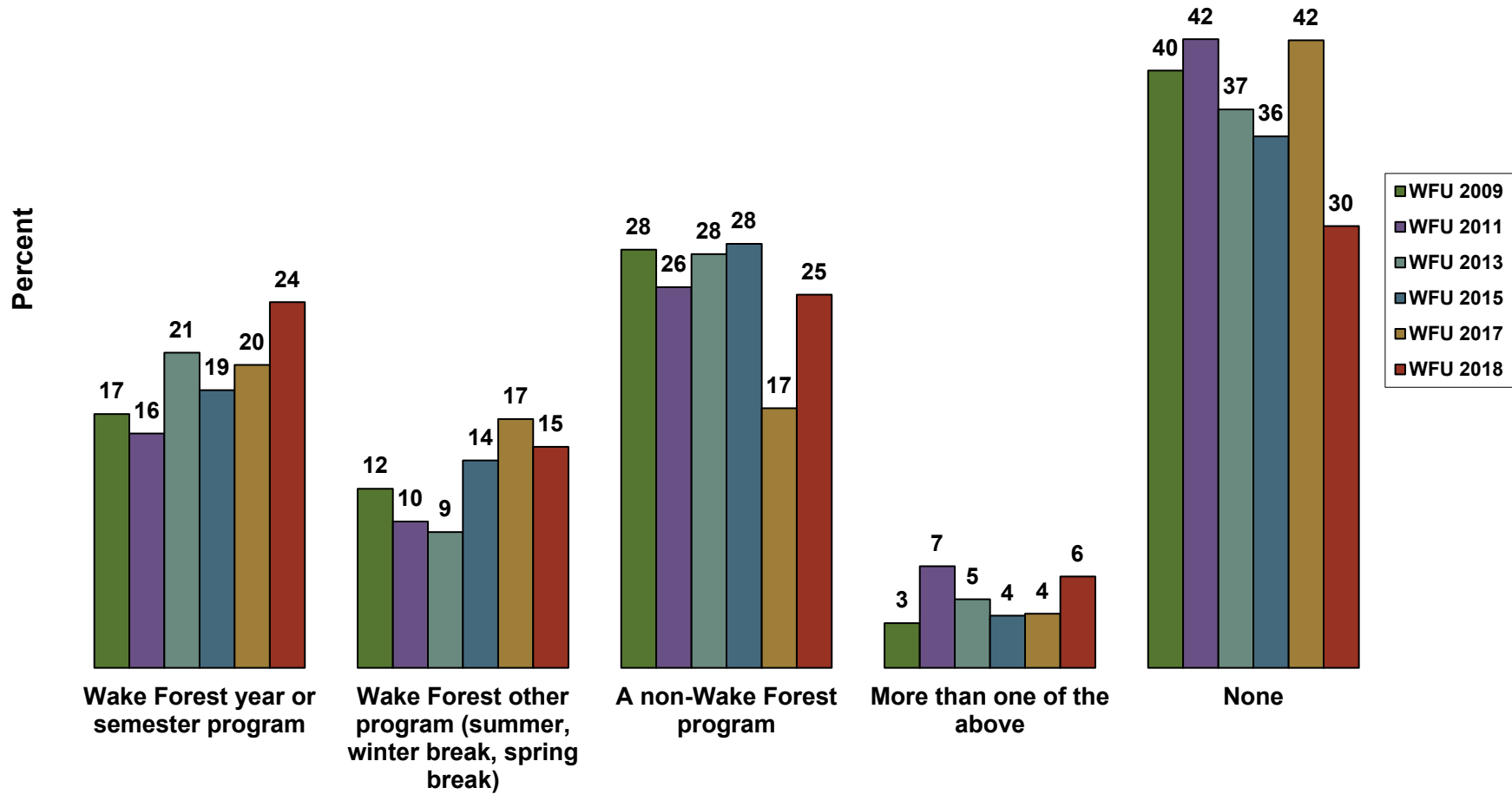


## In your opinion, how well is Wake Forest enhancing the development of the reason/intellect of students?

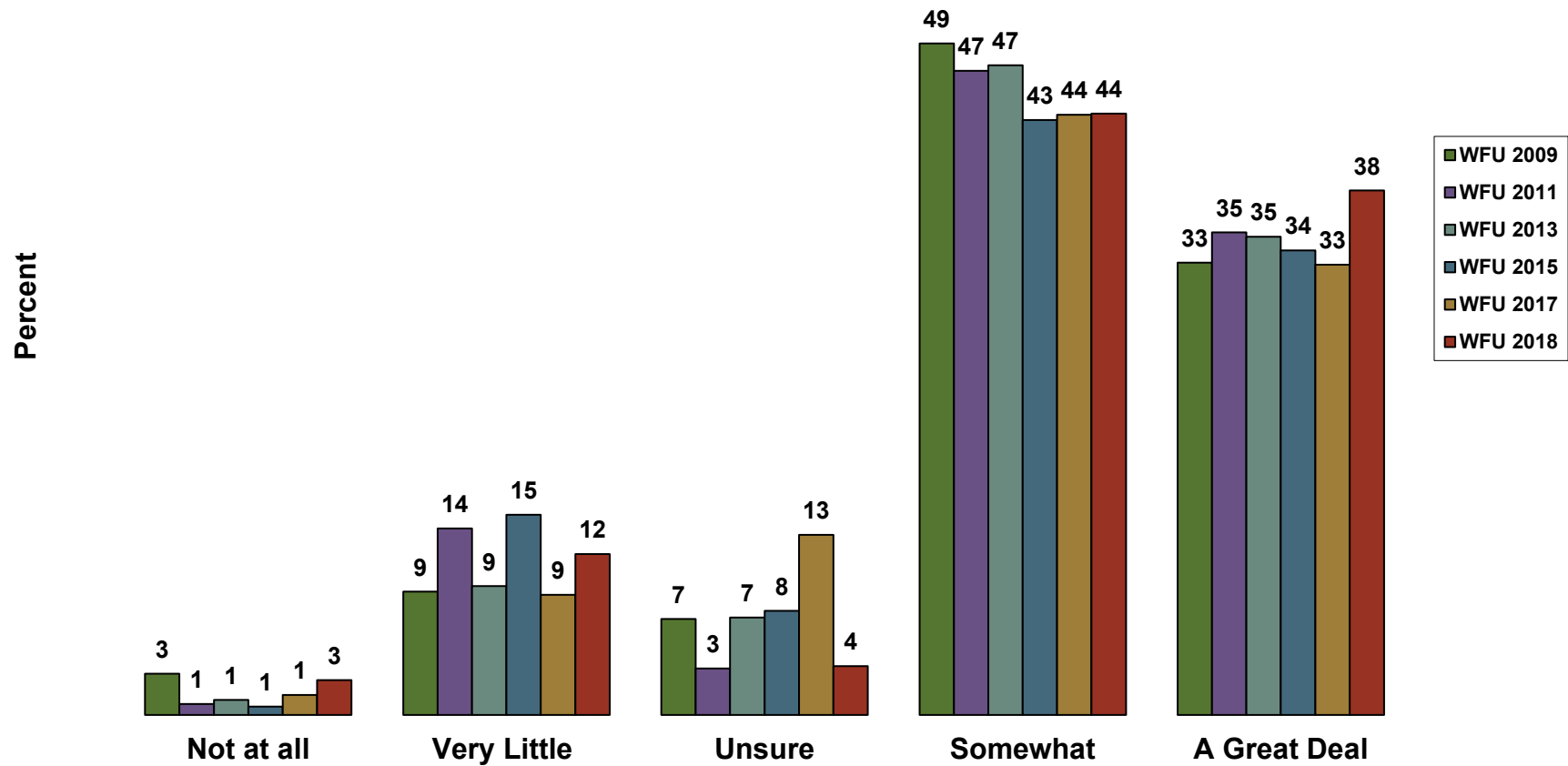




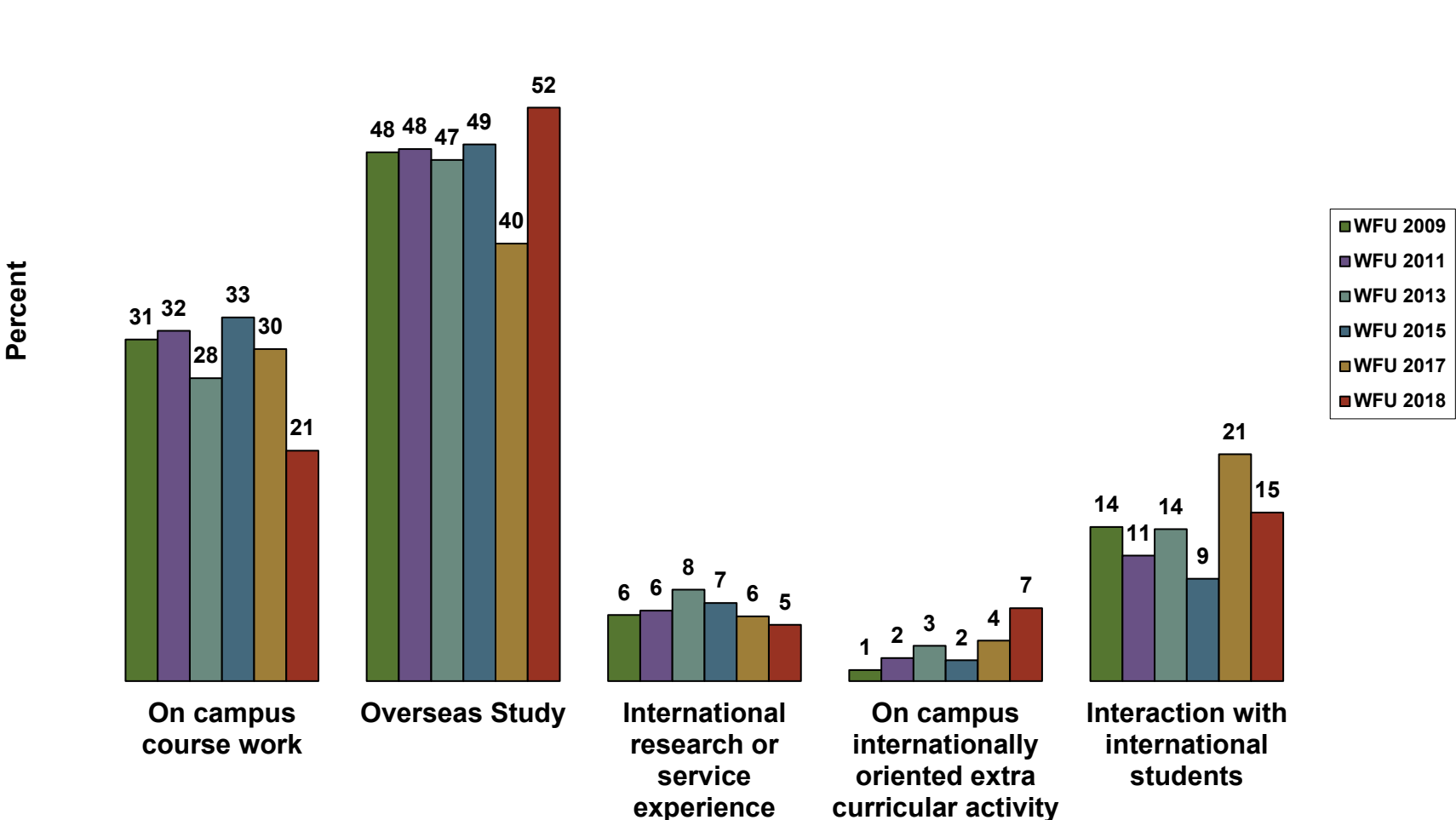
## What course(s) did you take for credit in a foreign country while a student at Wake Forest?



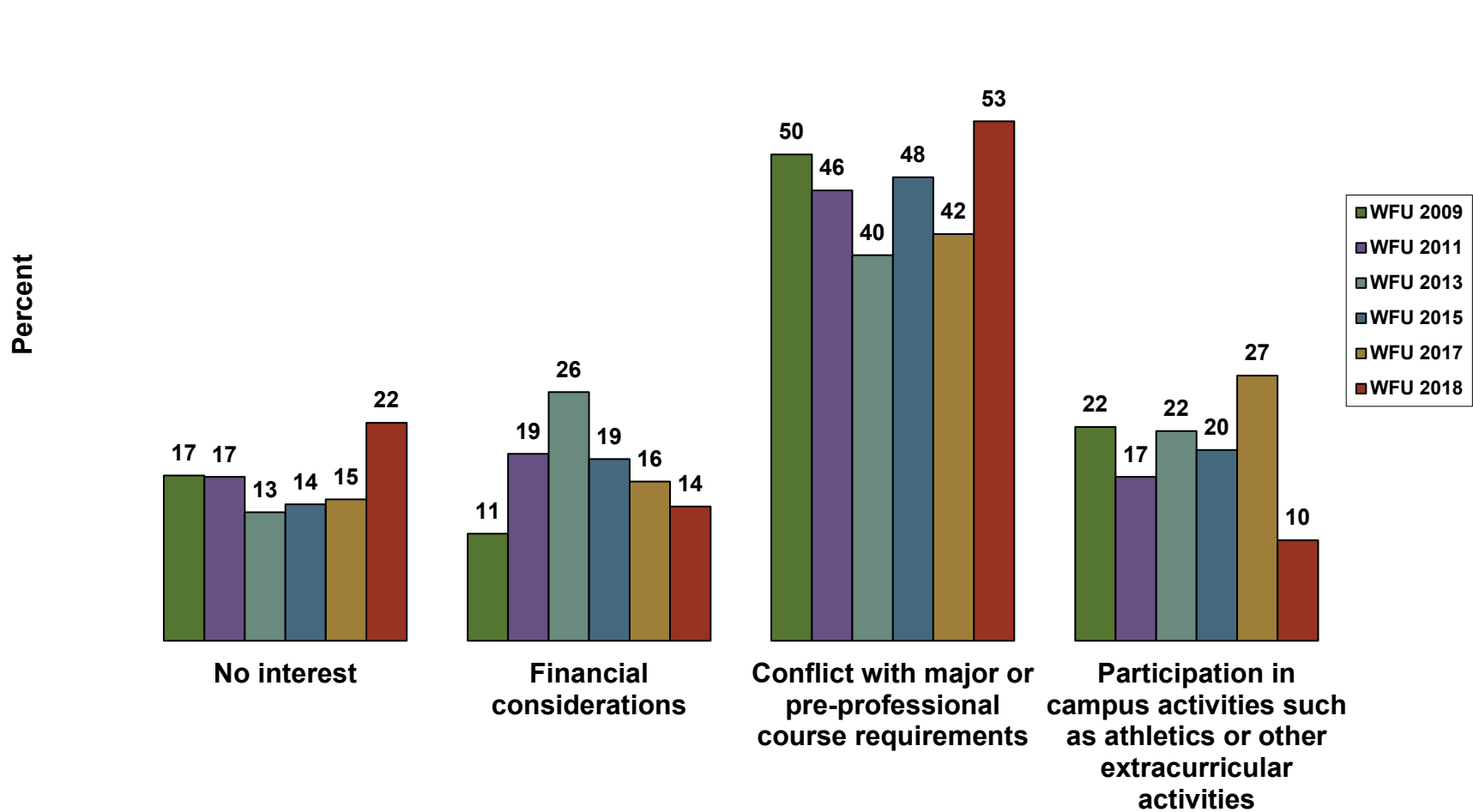
## To what extent did your college education enhance your understanding of foreign cultures and societies?



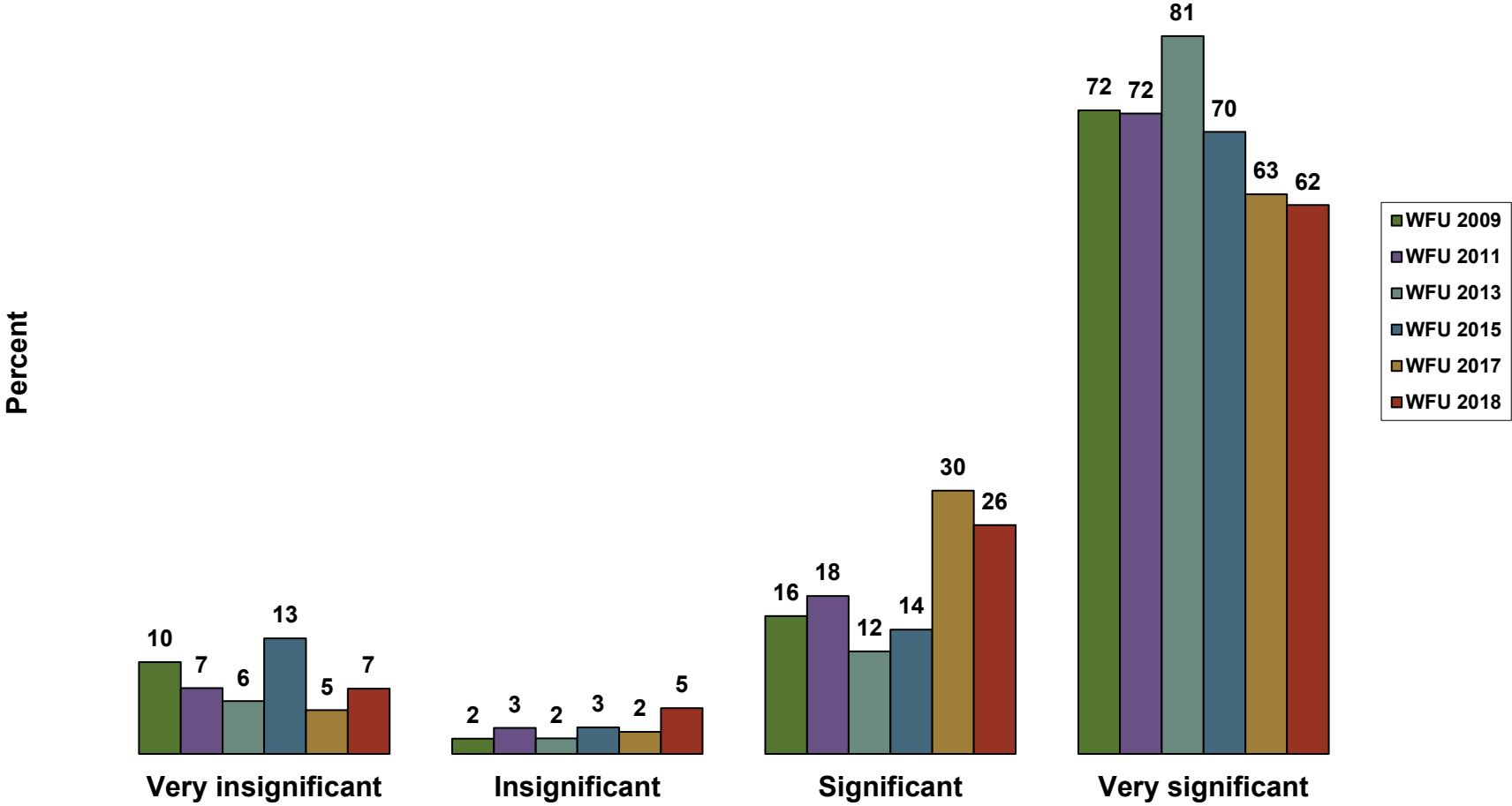
# What one experience at Wake Forest has been most significant in shaping your understanding of foreign cultures and societies?



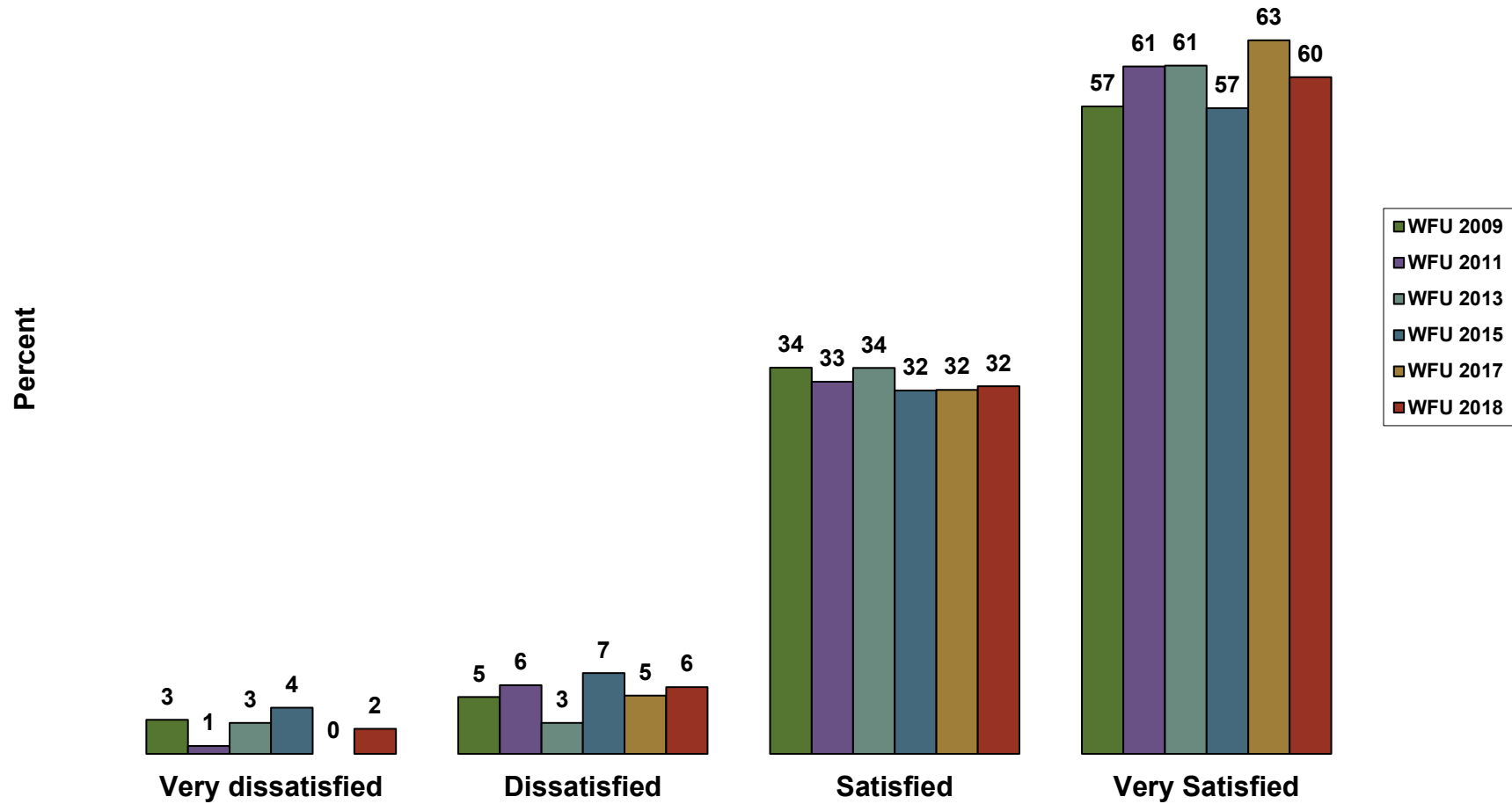
**If you have not had an international experience (study abroad, international service, or international research) while at Wake Forest, what was the one major factor for not participating?**



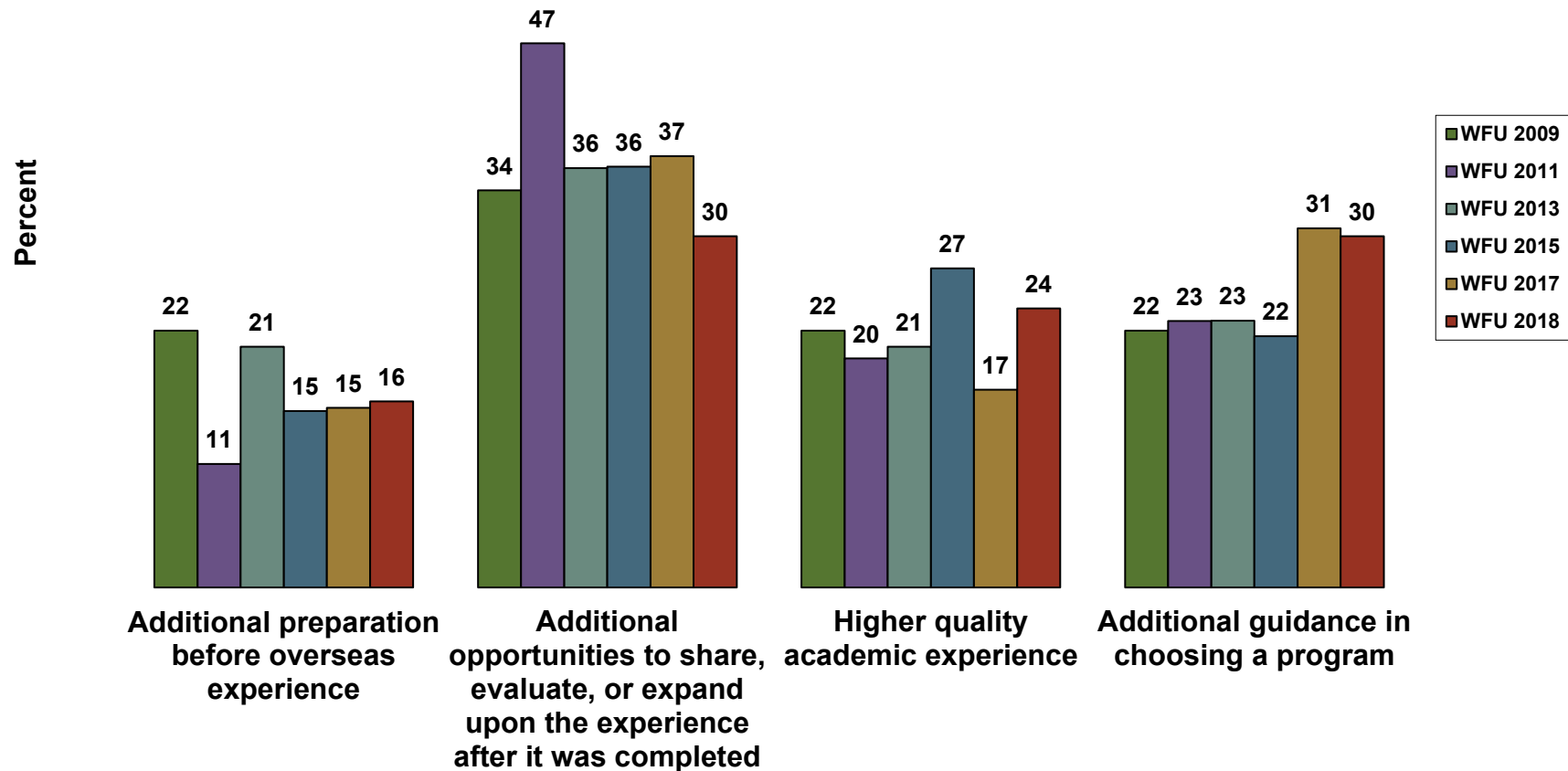
**If you studied abroad while a student at Wake Forest, how do you regard this experience as a part of your education?**



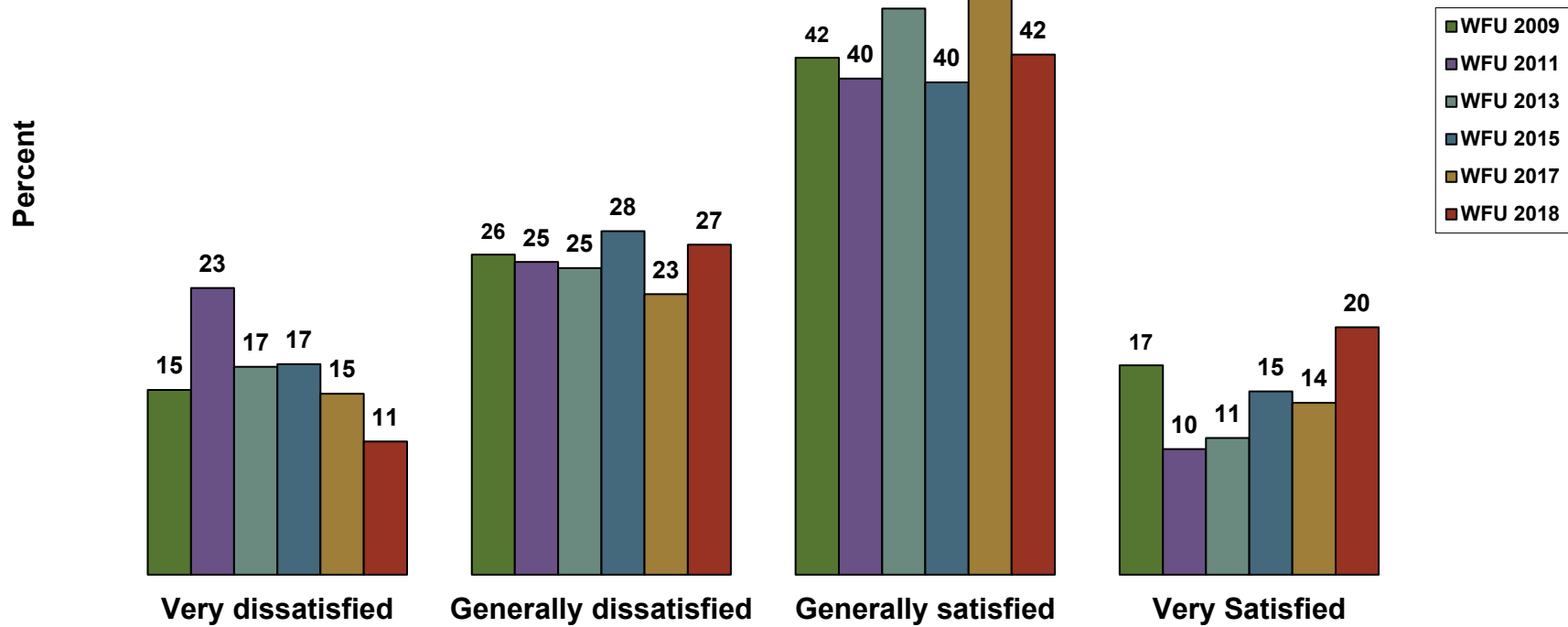
## If you studied abroad while a student at Wake Forest, how satisfied were you with the quality of the academic experience?



**If you studied abroad while a student at Wake Forest, indicate which one of the following factors would have improved your experience the most?**

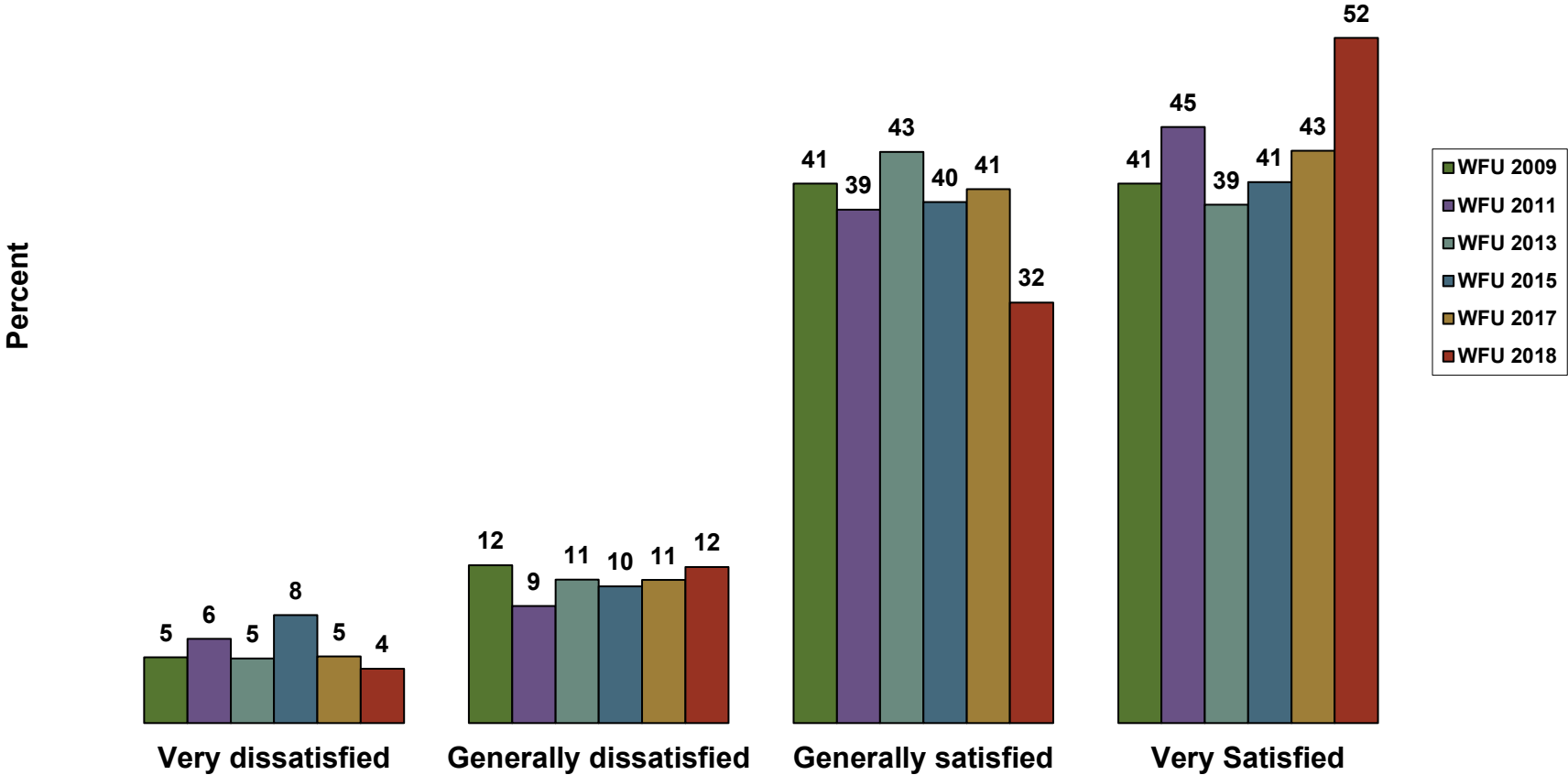


**How satisfied have you been with the academic advising provided by the lower division advisor assigned to you for the freshman and sophomore years?**

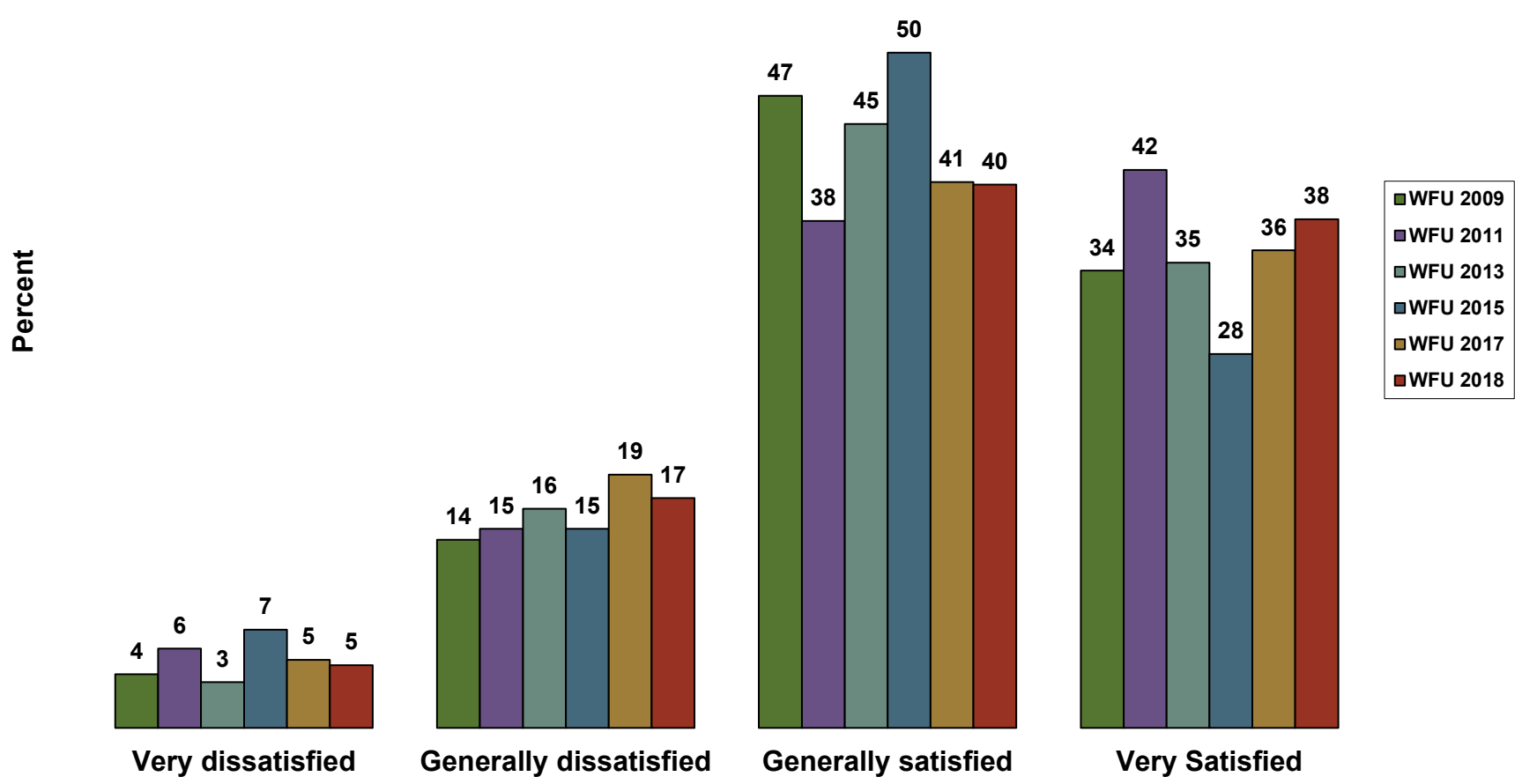




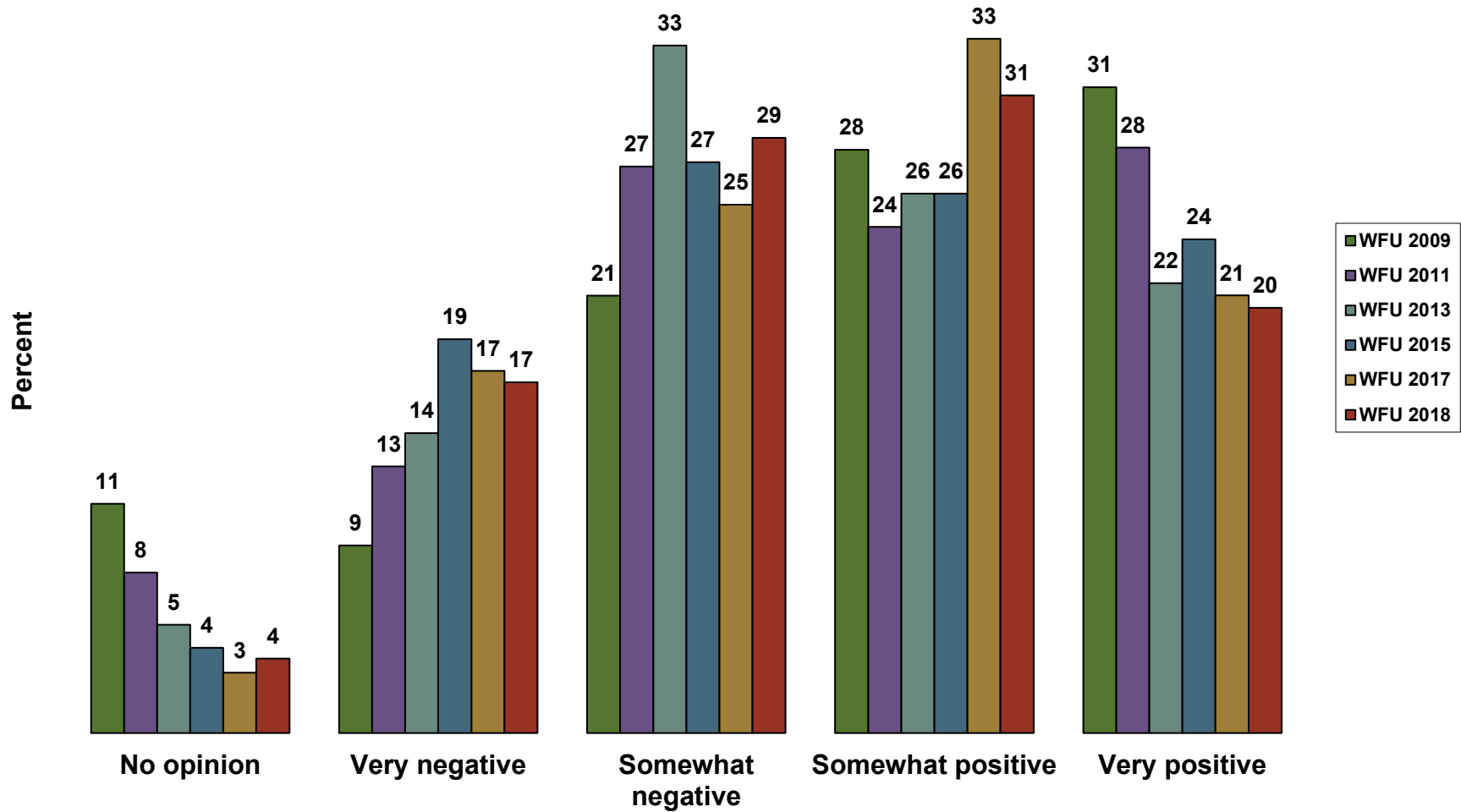
# How satisfied have you been with the academic advising provided by your major advisor?



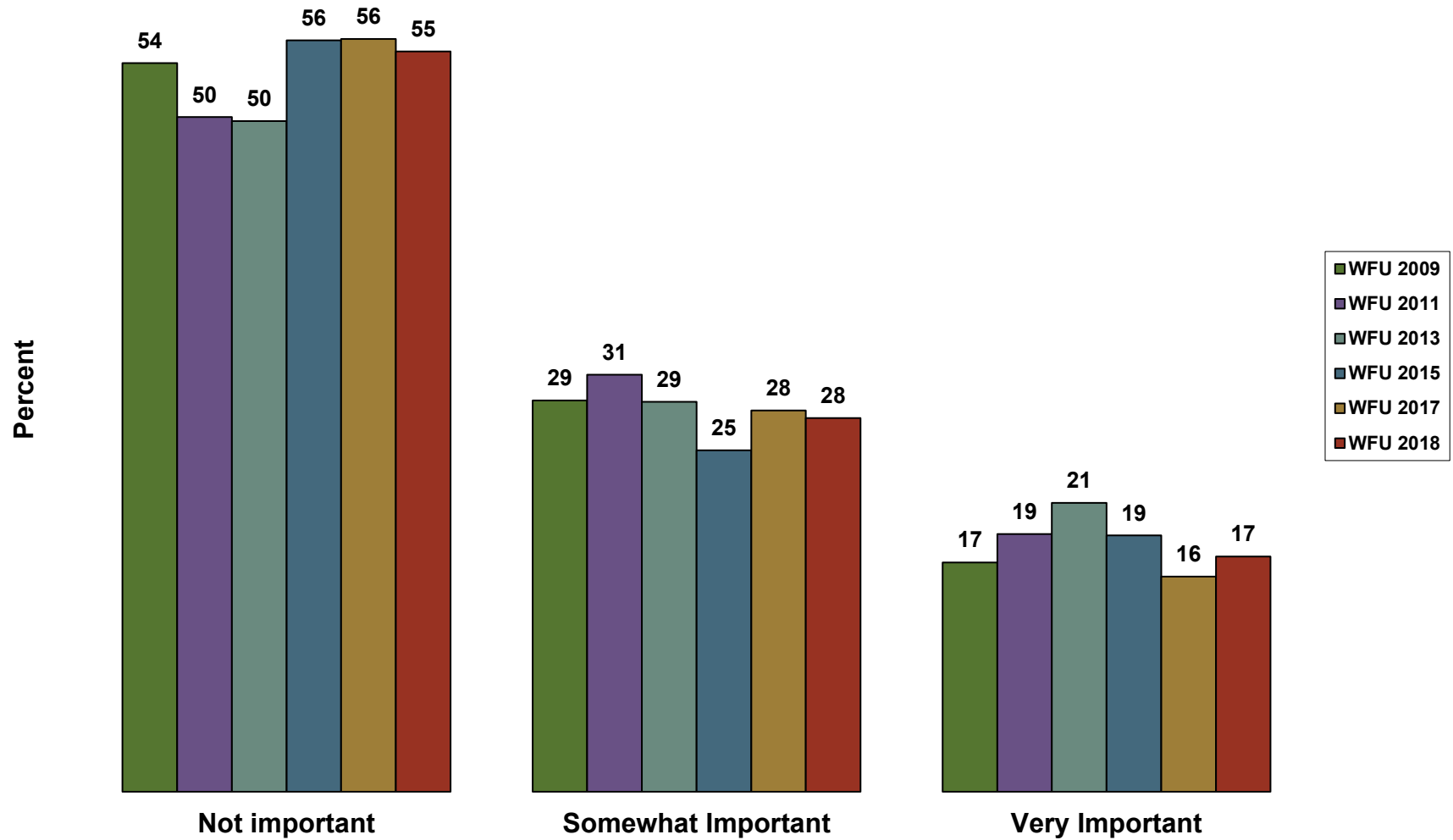
# How satisfied have you been with social life on campus?



## What is the impact of fraternities and sororities on social life at Wake Forest?



## How important was religious life to your experience at Wake Forest?



# Administering Institutions 2018



## 2018 College Senior Survey

### List of Participating Institutions

#### Public Universities

ACE	Institution	State
48	University of Alaska Fairbanks	AK
322	University of Northern Colorado	CO
1094	Morgan State University	MD
2079	Miami University-Oxford	OH
2210	Portland State University	OR
2692	The University of Texas at El Paso	TX
6086	University of Maryland-Baltimore County	MD

#### Private Universities

1333	University of St Thomas-St Paul	MN
1748	Clarkson University	NY
1773	Fordham University	NY
1987	Wake Forest University	NC
5569	Azusa Pacific University	CA
6416	Wilmington University	DE

#### Public 4yr Colleges

230	California State University-Northridge	CA
236	San Francisco State University	CA
2750	Castleton State College	VT
5010	California State University-Long Beach	CA
6166	Dalton State College	GA
9119	University of South Florida Sarasota-Man	FL

#### Nonsectarian 4yr Colleges - High Selectivity

147	Claremont McKenna College	CA
180	Harvey Mudd College	CA
652	Knox College	IL
1776	Hamilton College	NY
1846	St Lawrence University	NY
2065	Denison University	OH
2413	Rhode Island School of Design	RI
2931	Beloit College	WI

#### Nonsectarian 4yr Colleges - Low Selectivity

199	Mills College	CA
468	Rollins College	FL
683	Principia College	IL
789	Wabash College	IN
944	Asbury University	KY
1988	Warren Wilson College	NC
2244	Delaware Valley College	PA
2287	Moore College of Art and Design	PA
8430	Ringling College of Art and Design	FL

#### Catholic 4yr Colleges - High Selectivity

362	Fairfield University	CT
781	Saint Mary's College	IN
1276	University of Detroit Mercy	MI
1573	Creighton University	NE
2847	Gonzaga University	WA
2974	Saint Norbert College	WI

#### All private non-sectarian four-year colleges

ACE	Institution	State
147	Claremont McKenna College	CA
180	Harvey Mudd College	CA
199	Mills College	CA
468	Rollins College	FL
652	Knox College	IL
683	Principia College	IL
789	Wabash College	IN
944	Asbury University	KY
1776	Hamilton College	NY
1846	St Lawrence University	NY
1988	Warren Wilson College	NC
2065	Denison University	OH
2244	Delaware Valley College	PA
2287	Moore College of Art and Design	PA
2413	Rhode Island School of Design	RI
2931	Beloit College	WI
8430	Ringling College of Art and Design	FL

#### All private Catholic four-year colleges

362	Fairfield University	CT
781	Saint Mary's College	IN
1026	Xavier University of Louisiana	LA
1153	College of Our Lady of the Elms	MA
1276	University of Detroit Mercy	MI
1573	Creighton University	NE
2285	Marywood University	PA
2523	Christian Brothers University	TN
2847	Gonzaga University	WA
2974	Saint Norbert College	WI
9108	Ave Maria University	FL

#### All private other religious four-year colleges

105	Williams Baptist College	AR
141	Chapman University	CA
523	LaGrange College	GA
758	Goshen College	IN
783	Taylor University	IN
848	Northwestern College-Orange City	IA
913	McPherson College	KS
961	Georgetown College	KY
1413	Mississippi College	MS
1936	Campbell University	NC
1979	Shaw University	NC
2293	Muhlenberg College	PA
2562	Union University	TN
2788	Ferrum College	VA
5742	The Master's College and Seminary	CA
6615	Palm Beach Atlantic University-West Palm Beac	FL
6667	Corban University	OR

**Catholic 4yr Colleges - Low Selectivity**

1026 Xavier University of Louisiana	LA
1153 College of Our Lady of the Elms	MA
2285 Marywood University	PA
2523 Christian Brothers University	TN
9108 Ave Maria University	FL

**Other Religious 4yr Colleges - High Selectivity**

141 Chapman University	CA
758 Goshen College	IN
783 Taylor University	IN
848 Northwestern College-Orange City	IA
961 Georgetown College	KY
1413 Mississippi College	MS
2293 Muhlenberg College	PA
2562 Union University	TN
5742 The Master's College and Seminary	CA
6667 Corban University	OR

**Other Religious 4yr Colleges - Low Selectivity**

105 Williams Baptist College	AR
523 LaGrange College	GA
913 McPherson College	KS
1936 Campbell University	NC
1979 Shaw University	NC
2788 Ferrum College	VA
6615 Palm Beach Atlantic University-West Palm	FL

**All public colleges and universities**

48 University of Alaska Fairbanks	AK
230 California State University-Northridge	CA
236 San Francisco State University	CA
322 University of Northern Colorado	CO
1094 Morgan State University	MD
2079 Miami University-Oxford	OH
2210 Portland State University	OR
2692 The University of Texas at El Paso	TX
2750 Castleton State College	VT
5010 California State University-Long Beach	CA
6086 University of Maryland-Baltimore County	MD
6166 Dalton State College	GA
9119 University of South Florida Sarasota-Manatee	FL

**All private colleges and universities**

105 Williams Baptist College	AR
141 Chapman University	CA
147 Claremont McKenna College	CA
180 Harvey Mudd College	CA
199 Mills College	CA
362 Fairfield University	CT
468 Rollins College	FL
523 LaGrange College	GA
652 Knox College	IL
683 Principia College	IL

**All private four-year colleges**

105 Williams Baptist College	AR
141 Chapman University	CA
147 Claremont McKenna College	CA
180 Harvey Mudd College	CA
199 Mills College	CA
230 California State University-Northridge	CA
236 San Francisco State University	CA
362 Fairfield University	CT
468 Rollins College	FL
523 LaGrange College	GA
652 Knox College	IL
683 Principia College	IL
758 Goshen College	IN
781 Saint Mary's College	IN
783 Taylor University	IN
789 Wabash College	IN
848 Northwestern College-Orange City	IA
913 McPherson College	KS
944 Asbury University	KY
961 Georgetown College	KY
1026 Xavier University of Louisiana	LA
1153 College of Our Lady of the Elms	MA
1276 University of Detroit Mercy	MI
1413 Mississippi College	MS
1573 Creighton University	NE
1776 Hamilton College	NY
1846 St Lawrence University	NY
1936 Campbell University	NC
1979 Shaw University	NC
1988 Warren Wilson College	NC
2065 Denison University	OH
2244 Delaware Valley College	PA
2285 Marywood University	PA
2287 Moore College of Art and Design	PA
2293 Muhlenberg College	PA
2413 Rhode Island School of Design	RI
2523 Christian Brothers University	TN
2562 Union University	TN
2750 Castleton State College	VT
2788 Ferrum College	VA
2847 Gonzaga University	WA
2931 Beloit College	WI
2974 Saint Norbert College	WI
5010 California State University-Long Beach	CA
5742 The Master's College and Seminary	CA
6166 Dalton State College	GA
6615 Palm Beach Atlantic University-West Palm Beach	FL
6667 Corban University	OR
8430 Ringling College of Art and Design	FL
9108 Ave Maria University	FL
9119 University of South Florida Sarasota-Manatee	FL

758	Goshen College	IN
781	Saint Mary's College	IN
783	Taylor University	IN
789	Wabash College	IN
848	Northwestern College-Orange City	IA
913	McPherson College	KS
944	Asbury University	KY
961	Georgetown College	KY
1026	Xavier University of Louisiana	LA
1153	College of Our Lady of the Elms	MA
1276	University of Detroit Mercy	MI
1333	University of St Thomas-St Paul	MN
1413	Mississippi College	MS
1573	Creighton University	NE
1748	Clarkson University	NY
1773	Fordham University	NY
1776	Hamilton College	NY
1846	St Lawrence University	NY
1936	Campbell University	NC
1979	Shaw University	NC
1987	Wake Forest University	NC
1988	Warren Wilson College	NC
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2285	Marywood University	PA
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2293	Muhlenberg College	PA
2413	Rhode Island School of Design	RI
2523	Christian Brothers University	TN
2562	Union University	TN
2788	Ferrum College	VA
2847	Gonzaga University	WA
2931	Beloit College	WI
2974	Saint Norbert College	WI
5569	Azusa Pacific University	CA
5742	The Master's College and Seminary	CA
6416	Wilmington University	DE
6615	Palm Beach Atlantic University-West Palm	FL
6667	Corban University	OR
8430	Ringling College of Art and Design	FL
9108	Ave Maria University	FL

**All public and private four-year colleges**

105	Williams Baptist College	AR
141	Chapman University	CA
147	Claremont McKenna College	CA
180	Harvey Mudd College	CA
199	Mills College	CA
230	California State University-Northridge	CA
236	San Francisco State University	CA
362	Fairfield University	CT
468	Rollins College	FL
523	LaGrange College	GA
652	Knox College	IL
683	Principia College	IL

**All public and private universities**

48	University of Alaska Fairbanks	AK
322	University of Northern Colorado	CO
1094	Morgan State University	MD
1333	University of St Thomas-St Paul	MN
1748	Clarkson University	NY
1773	Fordham University	NY
1987	Wake Forest University	NC
2079	Miami University-Oxford	OH
2210	Portland State University	OR
2692	The University of Texas at El Paso	TX
5569	Azusa Pacific University	CA
6086	University of Maryland-Baltimore County	MD
6416	Wilmington University	DE

**All Baccalaureate Institutions**

48	University of Alaska Fairbanks	AK
105	Williams Baptist College	AR
141	Chapman University	CA
147	Claremont McKenna College	CA
180	Harvey Mudd College	CA
199	Mills College	CA
230	California State University-Northridge	CA
236	San Francisco State University	CA
322	University of Northern Colorado	CO
362	Fairfield University	CT
468	Rollins College	FL
523	LaGrange College	GA
652	Knox College	IL
683	Principia College	IL
758	Goshen College	IN
781	Saint Mary's College	IN
783	Taylor University	IN
789	Wabash College	IN
848	Northwestern College-Orange City	IA
913	McPherson College	KS
944	Asbury University	KY
961	Georgetown College	KY
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1988	Warren Wilson College	NC
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758 Goshen College	IN	2079 Miami University-Oxford	OH
781 Saint Mary's College	IN	2210 Portland State University	OR
783 Taylor University	IN	2244 Delaware Valley College	PA
789 Wabash College	IN	2285 Marywood University	PA
848 Northwestern College-Orange City	IA	2287 Moore College of Art and Design	PA
913 McPherson College	KS	2293 Muhlenberg College	PA
944 Asbury University	KY	2413 Rhode Island School of Design	RI
961 Georgetown College	KY	2523 Christian Brothers University	TN
1026 Xavier University of Louisiana	LA	2562 Union University	TN
1153 College of Our Lady of the Elms	MA	2692 The University of Texas at El Paso	TX
1276 University of Detroit Mercy	MI	2750 Castleton State College	VT
1413 Mississippi College	MS	2788 Ferrum College	VA
1573 Creighton University	NE	2847 Gonzaga University	WA
1776 Hamilton College	NY	2931 Beloit College	WI
1846 St Lawrence University	NY	2974 Saint Norbert College	WI
1936 Campbell University	NC	5010 California State University-Long Beach	CA
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2244 Delaware Valley College	PA	6166 Dalton State College	GA
2285 Marywood University	PA	6416 Wilmington University	DE
2287 Moore College of Art and Design	PA	6615 Palm Beach Atlantic University-West Palm Beach	FL
2293 Muhlenberg College	PA	6667 Corban University	OR
2413 Rhode Island School of Design	RI	8430 Ringling College of Art and Design	FL
2523 Christian Brothers University	TN	9108 Ave Maria University	FL
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